



## Bill of Materials

FIELD DEVICES

DYSTRYBUTOR



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# SENSORS

Exterior Temperature



Exterior Temperature and Humidity



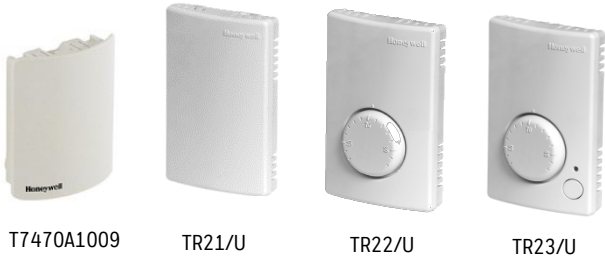
Code	Material	Grade IP	Logo	Range
<a href="#">AF00-B65</a>	PT1000	IP65	Honeywell	-40°C to 70°C
<a href="#">AF10-B65</a>	NTC 10k	IP65	Honeywell	-40°C to 70°C
<a href="#">AF12-B-65-N</a>	NTC 12k	IP65	Honeywell	-40°C to 70°C
<a href="#">AF20-B65</a>	NTC 20k	IP65	Honeywell	-40°C to 70°C
<a href="#">AF20-B65-N</a>	NTC 20k	IP65	No Logo	-40°C to 70°C
<a href="#">AFI-450-B65</a>	4 - 20 mA	IP65	Honeywell	-40°C to 70°C

Code	Grade IP	Type	Humidity	Range T.	Range H.
<a href="#">H7735C2015</a>	IP 54	NTC20k	0-10V	-40 to 70°C	0 to 100%

PM 2.5 Exterior\*

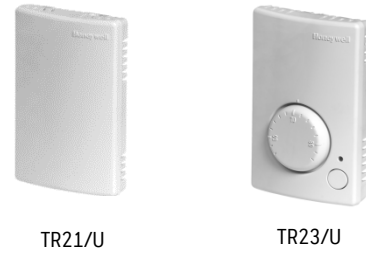
Code	PM 2.5 / PM 10	TVOC	Range	Signal
<a href="#">C7363A1019</a>	Yes	No	0 to 1000 µg/m3	4-20mA, 0-5/10VDC

Ambient Temperature



Code	Temp.	Range	Setpoint	Button	Un.
<a href="#">T7470A1009</a>	NTC20k	6 °C to 40 °C	-	-	5
<a href="#">TR21/U</a>	NTC20k	7 °C to 37 °C	-	-	
<a href="#">TR22/U</a>	NTC20k	7 °C to 37 °C	Yes	-	1
<a href="#">TR23/U</a>	NTC20k	7 °C to 37 °C	Yes	Yes	1

Ambient Temperature & Humidity



Code	Temp.	Humidity	Range	Setpoint	Button
<a href="#">TR21-H/U</a>	NTC20k	0-5/10Vdc 4-20 mA	7 °C to 37 °C / 5% to 95%	-	-
<a href="#">TR23-H/U</a>	NTC20k	0-5/10Vdc 4-20 mA	7 °C to 37 °C / 5% to 95%	Yes	Yes

Ambient Temperature & Humidity with display\*



Code	Temp.	Humidity	Colors (dial /body)	Range
<a href="#">T7560A1026</a>	NTC20k	No	white/white	6 °C to 40 °C
<a href="#">T7560B1008</a>	NTC 20k	0-10V	blue/white	6 °C to 40 °C / 10 to 95%hr

Probes for PM 2.5 & TVOC\*



Code	PM 2.5 / PM 10	TVOC	Range	Signal
<a href="#">C7364A1016</a>	No	Yes	450 to 2000 ppm	0-5/10VDC 4-20mA,
<a href="#">C7363A1017</a>	Yes	No	0 to 1000µg/m³	0-5/10VDC 4-20mA,

CO<sub>2</sub> ambiente

Code	Signal	Relay	Display	Range
<a href="#">C7233A1008</a>	0/2..10V, 4..20mA	Relay SPST (1A@50VAC/24VDC)	Yes	0-2000ppm Ajustable
<a href="#">C7233A1016</a>	0/2..10V, 4..20mA	Relay SPST (1A@50VAC/24VDC)	No	0-2000ppm Ajustable
<a href="#">C7233A1024</a>	0/2..10V, 4..20mA	Relay SPST (1A@50VAC/24VDC)	Yes (no Logo)	0-2000ppm Ajustable



C7233A1008



C7233A1016

Ambient Temperature & CO<sub>2</sub>



Code	Signal CO2	Relay	Signal Temp.	Display	Range CO2	Range Temp
<a href="#">C7263A1008</a>	0/2..10V, 4..20mA	Relay SPST (1A@50VAC/24VDC)	NTC20	Yes	0-2000 ppm Adjustable	0 to 50°C

Ambient probes without displays, communication SYLK -TR40

Code	Temperature	Humidity	CO2	Range Temp	Range H	Range CO2
<a href="#">TR40</a>	Yes	-	-	-40°C to 65°C	-	-
<a href="#">TR40-H</a>	Yes	Yes	-	-40°C to 65°C	0 to 90%	-
<a href="#">TR40-CO2</a>	Yes	-	Yes	-40°C to 65°C	-	0 to 2000 ppm
<a href="#">TR40-H-CO2</a>	Yes	Yes	Yes	-40°C to 65°C	0 to 90%	0 to 2000 ppm



Ambient probes with displays, communication SYLK -TR40

Probe with setpoint adjustment, fan speed, and occupancy/non-occupancy.



Code	Temperature	Humidity	CO2	Range Temp	Range H	Range CO2
<a href="#">TR42</a>	Yes	-	-	-40°C to 65°C	-	-
<a href="#">TR42-H</a>	Yes	Yes	-	-40°C to 65°C	0 to 90%	-
<a href="#">TR42-CO2</a>	Yes	-	Yes	-40°C to 65°C	-	0 to 2000 ppm
<a href="#">TR42-H-CO2</a>	Yes	Yes	Yes	-40°C to 65°C	0 to 90%	0 to 2000 ppm

Probes with touchscreen, communication SYLK -TR40

Probe with setpoint adjustment, fan speed, and occupancy/non-occupancy.

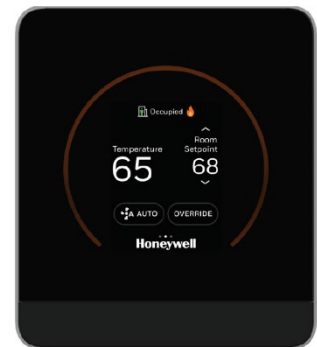
Code	Temperature	Humidity	Range Temp	Range H
<a href="#">TR120</a>	Yes	No	0°C to 50°C	-
<a href="#">TR120-H</a>	Yes	Yes	0°C to 50°C	5 to 95%hr



Probes with touchscreen, communication SYLK/BACnet/Modbus - TR100

Probe with setpoint adjustment, fan speed, and occupancy/non-occupancy.

Code	Temp.	Humidity	CO2	Setpoint Change	Fan speed	Range Temp	Range H	Range CO2 ppm	Power supply
<a href="#">TR100-TH-G</a>	Yes	Yes	-	Yes	Yes	0 to 50°C	20 to 90%	-	24 VAC/DC Sylk™
<a href="#">TR100-THC-G</a>	Yes	Yes	Yes	Yes	Yes	0 to 50°C	20 to 90%	400-5000	24 VAC/DC Sylk™



Combined indoor ambient probe (MODbus, BACnet or SYLK) – TR50.



Code	Sensors	Range Temp	Range H	Range CO2 (ppm)	TVOC (ppb)	PM 1.0/2.5/10	Communication	Screen	Power supply
<a href="#">TR50-5D</a>	CO2, temperature, humidity, VOC & PM2.5	0°C to 50°C	0 to 95%	400-2000	0-9999	0 to 5000µg/m3	Modbus, BACnet & Sylk*	Yes	24 V AC/DC or Sylk
<a href="#">TR50-5N</a>	CO2, temperature, humidity, VOC & PM2.5	0°C to 50°C	0 to 95%	400-2000	0-9999	0 to 5000µg/m3	Modbus, BACnet & Sylk*	No	24 V AC/DC or Sylk
<a href="#">TR50-3D</a>	CO2, temperature & humidity	0°C to 50°C	0 to 95%	400-2000	-	-	Modbus, BACnet & Sylk	Yes	24 V AC/DC or Sylk
<a href="#">TR50-3N</a>	CO2, temperature & humidity	0°C to 50°C	0 to 95%	400-2000	-	-	Modbus, BACnet & Sylk	No	24 V AC/DC or Sylk

Temperature and humidity probe with MODbus display - TR80



Code	Color	Grade IP	Range Temp	Range H	Inputs	Ports MODbus	Power Supply
<a href="#">TR80BBA</a>	Black	IP 20	0 to 55°C	5to95%	1 EU -NTC 10k, NTC20k, 0-10v or DI	2	230 Vac
<a href="#">TR80BBD</a>	Black	IP 20	0 to 55°C	5to95%	1 EU -NTC 10k, NTC20k, 0-10v or DI	2	24 Vac/dc
<a href="#">TR80BWA</a>	White	IP 20	0 to 55°C	5to95%	1 EU -NTC 10k, NTC20k, 0-10v or DI	2	230 Vac
<a href="#">TR80BWD</a>	White	IP 20	0 to 55°C	5to95%	1 EU -NTC 10k, NTC20k, 0-10v or DI	2	24 Vac/dc

Immersion or duct temperature probes



Code	Grade IP	Length (mm)	Sensor	Range	Brass sheath	St. steel sheath
<a href="#">VF00-5B65NW</a>	IP65	65	PT1000	-40 to 150°C	WB50	WS50
<a href="#">VF00-1B65NW</a>	IP65	150	PT1000	-40 to 150°C	WB150	WS150
<a href="#">VF00-3B65NW</a>	IP65	300	PT1000	-40 to 150°C	WB300	WS300
<a href="#">VF10-5B65NW</a>	IP65	65	NTC 10k	-40 to 110°C	WB50	WS50
<a href="#">VF10-1B65NW</a>	IP65	150	NTC 10k	-40 to 110°C	WB150	WS150
<a href="#">VF10-3B65NW</a>	IP65	300	NTC 10k	-40 to 110°C	WB300	WS300
<a href="#">VF20-5B65NW</a>	IP65	65	NTC 20k	-40 to 150°C	WB50	WS50
<a href="#">VF20-1B65NW</a>	IP65	150	NTC 20k	-40 to 150°C	WB150	WS150
<a href="#">VF20-3B65NW</a>	IP65	300	NTC 20k	-40 to 150°C	WB300	WS300
<a href="#">LFI-100-1B65</a>	IP65	150	4-20 mA	0 to 100°C	WB150	WS150
<a href="#">LFI-100-3B65</a>	IP65	300	4-20 mA	0 to 100°C	WB300	WS300

Sheaths for immersion probes

Code	Material	Length (mm)	Connection	P max	Flow max.
<a href="#">WB150</a>	Brass	135	R1/2" / ISO, PN25	13 bar	5 m/s
<a href="#">WB300</a>	Brass	285		13 bar	1,2 m/s
<a href="#">WB50</a>	Brass	50		13 bar	26 m/s
<a href="#">WS150</a>	St. Steel	135		25 bar	7,5 m/s
<a href="#">WS300</a>	St. Steel	285		25 bar	2 m/s
<a href="#">WS50</a>	St. Steel	50		25 bar	30 m/s



Mounting accessory in duct



Code	Description
<a href="#">LF-MF</a>	Mounting accessory LF-MF for duct pack of 10 units for sensors VF & LF

Mounting accessory



Code	Description
<a href="#">VF-SPRING</a>	mounting accessory VF-SPRING for probes in existing sheaths of larger diameter than WB/WS

Duct Temperature Probe



Code	Grade IP	Length (mm)	Sensor	Range
<a href="#">LF00-4B65</a>	IP65	400	PT1000	-40 to 150°C
<a href="#">LF10-4B65</a>	IP65	400	NTC 10k	-40 to 110°C
<a href="#">LF20-4B65</a>	IP65	400	NTC 20k	-40 to 150°C

Duct Temperature Probe



Code	Grade IP	Length (mm)	Sensor	Range
<a href="#">LF20-1P65-5M</a>	IP65	157	NTC 20k	-30 to 80°C
<a href="#">LF20-3P65-5M</a>	IP65	307	NTC 20k	-30 to 80°C

Cable type probes (IP 65)



PF20

KTF

KTF00-65-2M-300

Code	Length (mm)	Sensor	Range	Cable (m)
<a href="#">PF20-65-2M</a>	55	NTC 20k	-30 to 70°C	2
<a href="#">PF20-65-5M</a>	55	NTC 20k	-30 to 70°C	5
<a href="#">KTF00-65-2M</a>	55	PT1000	-30 to 105 °C	2
<a href="#">KTF00-65-2M-300</a>	55	PT1000	-20 to 260 °C	2
<a href="#">KTF10-65-2M</a>	55	NTC 10k	-30 to 105 °C	2
<a href="#">KTF20-65-2M</a>	55	NTC 20k	-30 to 105 °C	2
<a href="#">KTF20-65-5M</a>	55	NTC 20k	-30 to 105 °C	5

Fast response probes (IP 65 and 2m cable)



Code	Grade IP	Length (mm)	Sensor	Range
<a href="#">VFF00-75P65</a>	IP65	75	PT1000	-20 to 140°C
<a href="#">VFF00-300P65</a>	IP65	300	PT1000	-20 to 140°C
<a href="#">VFF10-75P65</a>	IP65	75	NTC10k	-10 to 110°C
<a href="#">VFF10-220P65</a>	IP65	220	NTC10k	-10 to 110°C
<a href="#">VFF20-75P65</a>	IP65	75	NTC 20k	-20 to 140°C
<a href="#">VFF20-220P65</a>	IP65	220	NTC 20k	-20 to 140°C

Stainless steel immersion temperature probe



Code	Length (mm)	Sensor	Range
<a href="#">P100-100</a>	100	PT100	-50 to 400°C
<a href="#">P100-200</a>	200	PT100	-50 to 400°C

Contact temperature sensor



Code	Grade IP	Sensor	Range
<a href="#">SF00-B65</a>	IP65	PT1000	-30 to 110°C
<a href="#">SF10-B65</a>	IP65	NTC 10k	-30 to 110°C
<a href="#">SF20-B65</a>	IP65	NTC 20k	-30 to 110°C
<a href="#">SFI-100-1B65</a>	IP65	4 - 20mA	0 to 50°C

Air velocity probes in ducts

Temperature and humidity probes in ducts



AV-D-10



AV-R-10



Code	Grade IP	Length (mm)	Sensor	Range (m/s)
<a href="#">AV-D-10</a>	IP65	200	2..10V, 4..20mA	2 ... 10/15/20
<a href="#">AV-R-10</a>	IP65	300	2..10V, 4..20mA	2 ... 10/15/20

Code	Length (mm)	Temp.	Humidity	Range Temp	Range Hr
<a href="#">LFH00-2B65</a>	230	PT1000	0-10V	-5 to 55°C	10 to 90%
<a href="#">LFH10-2B65</a>	230	NTC10k	0-10V	-5 to 55°C	10 to 90%
<a href="#">LFH20-2B65</a>	230	NTC20k	0-10V	-5 to 55°C	10 to 90%
<a href="#">LFHV-2B65</a>	230	0-10V	0-10V	-5 to 55°C	10 to 90%

Air velocity and temperature probes in ducts

Code	Grade IP	Length (mm)	Velocity	Temperature	Range Velocity	Range Temp
<a href="#">HAVDTXX-EU</a>	IP54	210	0-10V o 4-20mA	0-10V o 4-20mA	0..2/10/20 m/s	0 to 50°C



Temperature and CO2 sensors in duct



Code	Length	Temperature	CO2	Range Temp	Range H	Range CO <sub>2</sub>
<a href="#">AQS-KAM-00</a>	230	PT1000	0-10V	0 to 50°C	0 to 95%	0 to 2000 ppm
<a href="#">AQS-KAM-10</a>	230	NTC 10k	0-10V	0 to 50°C	0 to 95%	0 to 2000 ppm
<a href="#">AQS-KAM-20</a>	230	NTC 20k	0-10V	0 to 50°C	0 to 95%	0 to 2000 ppm
<a href="#">AQS71-KAM-T</a>	200	0-10V	0-10V	0 to 50°C	0 to 95%	0 to 2000 ppm

Spare parts for AQS and LFH assembly

Code	Description
<a href="#">LFH-AQS-MF</a>	Spare part for LFH-AQS-MF mounting accessory for duct, pack of 5 units for LFH and AQS sensors



CO2 sensor in duct



Code	IP	CO2	Range CO <sub>2</sub>
<a href="#">C8000D001</a>	IP54	0-5V, 0-10V o 4-20mA	0 to 2000 ppm

STVOC sensor in duct\*



Code	PM 2.5 / PM 10	TVOC	Range (ppm)	Signal
<a href="#">C7364B1014</a>	No	Yes	450 to 2000	4-20mA, 0-5/10VDC

Combined Temperature, Humidity, and CO2 probe in duct



Code	Length (mm)	Temperature	Humidity	CO2	Range Temp	Range H	Range CO <sub>2</sub>
<a href="#">AQS-KAM-RH-V</a>	230	0-10V	0-10V	0-10V	0 to 50°C	0 to 95%	0 to 2000 ppm

Combined sensor for Temperature, Humidity, CO2, Total Volatile Organic Compounds (TVOC), and PM2.5/10 with Modbus RS485 communication\*



Code	Temperature	Humidity	CO2	PM 2.5 / PM 10	TVOC	Signal
<a href="#">C7355B1052</a>	Yes	Yes	Yes	Yes	Yes	RS485/RTU (Modbus)

Differential pressure air sensors



DPTExx/ DPTExxS



DPTExxxD / DPTExxxSD

Code	Range (Pa)	Precision	Connection	Display	Signal
<a href="#">DPTE100</a>	100-250Pa	≤±5%	3 wires	No	0-10V/4-20mA
<a href="#">DPTE250</a>	250-500Pa	≤±5%	3 wires	No	0-10V/4-20mA
<a href="#">DPTE500</a>	0...500/1000Pa	≤±5%	3 wires	No	0-10V/4-20mA
<a href="#">DPTE1000</a>	1000-2500Pa	≤±2,5%	3 wires	No	0-10V/4-20mA
<a href="#">DPTE5000</a>	0...5000/10000Pa	≤±1%	3 wires	No	0-10V/4-20mA
<a href="#">DPTE50S</a>	-50...50Pa	≤±5%	3 wires	No	0-10V/4-20mA
<a href="#">DPTE100S</a>	-100...250Pa	≤±5%	3 wires	No	0-10V/4-20mA
<a href="#">DPTE500S</a>	-500...500Pa	≤±5%	3 wires	No	0-10V/4-20mA
<a href="#">DPTE1000S</a>	-1000...1000Pa	≤±2,5%	3 wires	No	0-10V/4-20mA
<a href="#">DPTE50SD</a>	-50...50Pa	≤±5%	3 wires	Yes	0-10V/4-20mA
<a href="#">DPTE100SD</a>	-100...250Pa	≤±5%	3 wires	Yes	0-10V/4-20mA
<a href="#">DPTE500SD*</a>	-500...500Pa	≤±5%	3 wires	Yes	0-10V/4-20mA
<a href="#">DPTE1000SD</a>	-1000...1000Pa	≤±2,5%	3 wires	Yes	0-10V/4-20mA
<a href="#">DPTE100D</a>	100-250Pa	≤±5%	3 wires	Yes	0-10V/4-20mA
<a href="#">DPTE250D</a>	0..250/500Pa	≤±5%	2 wires	Yes	0-10V/4-20mA
<a href="#">DPTE500D</a>	0...500/1000Pa	≤±5%	2 wires	Yes	0-10V/4-20mA
<a href="#">DPTE1000D</a>	0...1000/2500Pa	≤±2,5%	3 wires	Yes	0-10V/4-20mA
<a href="#">DPTE5000D</a>	0..5000/10000Pa	≤±1%	2 wires	Yes	0-10V/4-20mA
<a href="#">DPTE52S*</a>	-50...50Pa	≤±5%	2 wires	No	4-20mA
<a href="#">DPTE102S</a>	-100-250Pa	≤±5%	2 wires	No	4-20mA
<a href="#">DPTE102</a>	100-250Pa	≤±5%	2 wires	No	4-20mA
<a href="#">DPTE252</a>	0..250/500Pa	≤±5%	2 wires	No	4-20mA
<a href="#">DPTE502</a>	0...500/11000Pa	≤±5%	2 wires	No	4-20mA
<a href="#">DPTE1002</a>	0...1000/2500Pa	≤±2,5%	2 wires	No	4-20mA
<a href="#">DPTE5002</a>	0..5000/10000Pa	≤±1%	2 wires	No	4-20mA

Low differential air pressure sensor

Code	Range (Pa)	Precision	Connection	Display	Signal
<a href="#">DPTA25</a>	0 to 25Pa	≤±5%	3 wires	No	0-10V/4-20mA
<a href="#">DPTA25S*</a>	-25 to 25Pa	≤±5%	3 wires	No	0-10V/4-20mA
<a href="#">DPTA25SD*</a>	-25 to 25Pa	≤±5%	3 wires	Yes	0-10V/4-20mA
<a href="#">DPTAQ8</a>	8 rangos de 0 to 1000Pa	≤±5% to ≤±1%	3 wires	No	0-10V/4-20mA
<a href="#">DPTAQ8D</a>	8 rangos de 0 to 1000Pa	≤±5% to ≤±1%	3 wires	Yes	0-10V/4-20mA



DPTAxx/DPTAxxS



DPTA8D/DPTA8D

## Differential pressure sensors for liquids



Code	Range (bar)	Connection	Signal
DTI06	0 - 0.6 bar	2 wires	4 -20mA
DTI1	0 - 1 bar	2 wires	4 -20mA
DTI2	0 - 2.5 bar	2 wires	4 -20mA
DTI4	0 - 4 bar	2 wires	4 -20mA
DTI6	0 - 6 bar	2 wires	4 -20mA
DTI10	0 - 10 bar	2 wires	4 -20mA
DTU06	0 - 0.6 bar	3 wires	0-10V
DTU1	0 - 1 bar	3 wires	0-10V
DTU2	0 - 2.5 bar	3 wires	0-10V
DTU4	0 - 4 bar	3 wires	0-10V
DTU6	0 - 6 bar	3 wires	0-10V
DTU10	0 - 10 bar	3 wires	0-10V

## Differential pressure sensors for liquids and gases



Code	Range (bar)	Signal	Connection	Display
<a href="#">PTHDB0032A2*</a>	0 ... 3	4..20mA	2 wires	Yes
<a href="#">PTHDB0062A2</a>	0 ... 6	4..20mA	2 wires	Yes
<a href="#">PTHDB0202A2*</a>	0 ... 20	4..20mA	2 wires	Yes
<a href="#">PTSDB0012V3</a>	0 ... 1	0..10V / 4..20mA	3 wires	-
<a href="#">PTSDB0032V3</a>	0 ... 3	0..10V / 4..20mA	3 wires	-
<a href="#">PTSDB0062V3</a>	0 ... 6	0..10V / 4..20mA	3 wires	-
<a href="#">PTHDB0012V3</a>	0 ... 1	0..10V / 4..20mA	3 wires	Yes
<a href="#">PTHDB0032V3</a>	0 ... 3	0..10V / 4..20mA	3 wires	Yes
<a href="#">PTHDB0062V3</a>	0 ... 6	0..10V / 4..20mA	3 wires	Yes
<a href="#">PTHDB0202V3</a>	0 ... 20	0..10V / 4..20mA	3 wires	Yes

## Absolute pressure sensors for liquids



Code	Range (bar)	Connection	Signal
<a href="#">PTI4</a>	0 - 4 bar	2 wires	4 -20mA
<a href="#">PTI6</a>	0 - 6 bar	2 wires	4 -20mA
<a href="#">PTI10</a>	0 - 10 bar	2 wires	4 -20mA
<a href="#">PTI16</a>	0 - 16 bar	2 wires	4 -20mA
<a href="#">PTI25</a>	0 - 25 bar	2 wires	4 -20mA
<a href="#">PTI40</a>	0 - 40 bar	2 wires	4 -20mA
<a href="#">PTU4</a>	0 - 4 bar	3 wires	0-10V
<a href="#">PTU6</a>	0 - 6 bar	3 wires	0-10V
<a href="#">PTU10</a>	0 - 10 bar	3 wires	0-10V
<a href="#">PTU16</a>	0 - 16 bar	3 wires	0-10V

Absolute pressure sensors in liquids and gases



Code	Range (bar)	Signal	Connection	Display
<a href="#">PTSRV1011A2</a>	-1 ... 1	4..20mA	2 wires	–
<a href="#">PTSRB0041A2</a>	0 ... 4	4..20mA	2 wires	–
<a href="#">PTSRB0101A2</a>	0 ... 10	4..20mA	2 wires	–
<a href="#">PTSRB0251A2</a>	0 ... 25	4..20mA	2 wires	–
<a href="#">PTSRB0401A2</a>	0 ... 40	4..20mA	2 wires	–
<a href="#">PTSRB0011V3</a>	0 ... 1	0..10V	3 wires	–
<a href="#">PTSRB0041V3</a>	0 ... 4	0..10V	3 wires	–
<a href="#">PTSRB0101V3</a>	0 ... 10	0..10V	3 wires	–
<a href="#">PTSRB0161V3</a>	0 ... 16	0..10V	3 wires	–
<a href="#">PTSRB0251V3</a>	0 ... 25	0..10V	3 wires	–
<a href="#">PTSRB0101A3</a>	0 ... 10	4..20mA	3 wires	–
<a href="#">PTHRB0041A2</a>	0 ... 4	4..20mA	2 wires	Yes
<a href="#">PTHRB0101A2</a>	0 ... 10	4..20mA	2 wires	Yes
<a href="#">PTHRB0161A2</a>	0 ... 16	4..20mA	2 wires	Yes
<a href="#">PTHRB0401A2</a>	0 ... 40	4..20mA	2 wires	Yes
<a href="#">PTHRV1011V3</a>	-1 ... 1	0..10V	2 wires	Yes
<a href="#">PTHRB0011V3</a>	0 ... 1	0..10V	3 wires	Yes
<a href="#">PTHRB0041V3</a>	0 ... 4	0..10V	3 wires	Yes
<a href="#">PTHRB0101V3</a>	0 ... 10	0..10V	3 wires	Yes
<a href="#">PTHRB0161V3</a>	0 ... 16	0..10V	3 wires	Yes
<a href="#">PTHRB0251V3</a>	0 ... 25	0..10V	3 wires	Yes

Accessories for probes

Code	Description
<a href="#">DPSA</a>	DPS installation set
<a href="#">DPSJB*</a>	Pressure connection nozzle
<a href="#">DPSK</a>	2m replacement silicone hose with connection elements
<a href="#">DPSL</a>	Mounting kit with L-bracket for DPTE pressure probes
<a href="#">R1/MS*</a>	Red brass sheath G1/2" PN25, immersion/total length 135/151 mm
<a href="#">R10/MS</a>	Red brass sheath G1/2" PN25, immersion/total length 135/151 mm
<a href="#">R20/MS</a>	Red brass sheath G1/2" PN25, immersion/total length 220/236 mm

# THERMOSTATS

Thermostat without communications for fan coil with display -WS3 / WS8



Code	2/4 Pipes	Fan	Power Supply	Electrical Resistance	Window Contact	Return Sensor	Ventilation Mode
<a href="#">WS8B2WB/U</a>	2 pipes ON/OFF	3 speeds	230 Vac	No	No	No	Yes
<a href="#">WS8B4WB/U</a>	2/4 pipes ON/OFF	3 speeds	230 Vac	No	No	No	Yes
<a href="#">WS3B2WB/U</a>	2 pipes 0-10V	3 speeds	100-240VAC	No	Yes	Yes	Yes
<a href="#">WS3B4WB/U</a>	2/4 pipes 0-10V	3 speeds	100-240VAC	No	Yes	Yes	Yes
<a href="#">WS3E2WB/U</a>	2 pipes 0-10V	3 speeds	24Vac	No	Yes	No	Yes

MODbus thermostat for fan coil with display – WS9

Code	2/4 Pipes	Fan	Power Supply	Baudrate	Inputs	Vent. Mode
<a href="#">WS9B2WB/U</a>	2 pipes ON/OFF	3 speeds	100-240VAC	9600baud	NTC20k, PIR or window	Yes
<a href="#">WS9B4WB/U</a>	2/4 pipes ON/OFF	3 speeds	100-240VAC	9600baud	NTC20k, PIR or window	Yes
<a href="#">WS9E2WB/U</a>	2 pipes ON/OFF	3 speeds	24Vac±10%	9600baud	NTC20k, PIR o ventana	Yes
<a href="#">WS9E4WB/U*</a>	2/4 pipes ON/OFF	3 speeds	24Vac±10%	9600baud	NTC20k, PIR or window	Yes



Thermostat for fan coil with 3 speeds and on/off valves with display WTS8/WTS9



WTSxx4WMB/x

Code	Power Supply	Application	Signal control	Fan speed	Color	MODbus	Humidity
WTS8							
<a href="#">WTS8B4WMB/H</a>	100-240VAC	2/4 pipes	On/Off	3 Speeds /Auto	White	No	Yes
<a href="#">WTS8B4WMB/N</a>							No
<a href="#">WTS8E4WMB/H</a>	24VAC						Yes
<a href="#">WTS8E4WMB/N</a>							No
WTS9							
<a href="#">WTS9B4WMB/H</a>	100-240VAC	2/4 pipes	On/Off	3 Speeds /Auto	White	Yes	Yes
<a href="#">WTS9B4WMB/N</a>							No
<a href="#">WTS9E4WMB/H</a>	24VAC						Yes
<a href="#">WTS9E4WMB/N</a>							No

MODbus thermostat for EC fan coil with display – WTS3/WTS6



WTSxx4WMx/x



WTSxx4BMx/x

Code	Power Supply	Application	Control Signal	Fan Speed	Color	MODbus	Humidity
<b>WTS3</b>							
<a href="#">WTS3B4WMB/H</a>	100-240VAC	2 or 4 pipes	Modulating	3 Speeds /Auto	White	No	Yes
<a href="#">WTS3B4WMB/N</a>							No
<a href="#">WTS3B4WME/H</a>						Yes	Yes
<a href="#">WTS3B4WME/N</a>						No	No
<a href="#">WTS3E4WMB/H</a>	24VAC				No	Yes	
<a href="#">WTS3E4WMB/N</a>						No	No
<a href="#">WTS3E4WME/H</a>					Yes	Yes	
<a href="#">WTS3E4WME/N</a>					No	No	
<a href="#">WTS3B4BMB/H</a>	100-240VAC	2 or 4 pipes	Modulating	3 Speeds /Auto	Black	No	Yes
<a href="#">WTS3B4BMB/N</a>							No
<a href="#">WTS3B4BME/H</a>						Yes	Yes
<a href="#">WTS3B4BME/N</a>						No	No
<a href="#">WTS3E4BMB/H</a>	24VAC				No	Yes	
<a href="#">WTS3E4BMB/N</a>						No	No
<a href="#">WTS3E4BME/H</a>					Yes	Yes	
<a href="#">WTS3E4BME/N</a>					No	No	
<b>WTS6</b>							
<a href="#">WTS6B4WMB/H</a>	100-240VAC	2 or 4 pipes	Modulating 0-10v to 2 pipes on/off to 4 pipes	Fan EC (0-10Vdc)	White	Yes	Yes
<a href="#">WTS6B4WMB/N</a>							No
<a href="#">WTS6E4WMB/H</a>	24VAC						Yes
<a href="#">WTS6E4WMB/N</a>							No
<a href="#">WTS6B4BMB/H</a>	100-240VAC				No	Yes	
<a href="#">WTS6B4BMB/N</a>						No	No
<a href="#">WTS6E4BMB/H</a>					24VAC	Yes	
<a href="#">WTS6E4BMB/N</a>						No	No

Multifunction thermostat MODbus/BACnet for fan coil - TC300



Code	Power Supply	Temp.	Humidity	Outputs	Inputs	Inputs/Outputs
TC300C-G	20-30 VCA	0 to 50°C	20 to 90%	3 Outputs for Relays • Nominal average current - 1A resistive at 24VAC • Nominal pulse current - 3.5A resistive at 24VAC	2 Universal Inputs -NTC10K -NTC20K -Dry Contact -Circuit open ( $\geq 100\text{Kohms}$ ) -Circuit closed ( $\leq 100\text{ohms}$ )	3 Universal Inputs/Outputs • Input for resistive temperature sensor - NTC10K Type I, series C7021 - NTC10K Type III, series C7023 - NTC20K, Series TR21 & C7041 • SELV voltage input - 0-10V, $\pm 5\%$ of total range • Digital Input - Dry contact closure - Circuito open ( $\geq 100\text{Kohms}$ ) - Circuito closed ( $\leq 100\text{ohms}$ ) • Voltage Input - 0-10V, $\pm 3\%$ of total range @ 2K ohms

BACnet thermostats for fan coils - TB3



TB3x40W/U



TB3x40B/U

Code	Digital Outputs (Relay) Control Fans	Analog Outputs (0-10 V) Control of valves	Outputs Relay control of valves	Inputs universal	Color	Power Supply
<a href="#">TB3240B/U</a>	3	2	0	1	Black	24 V AC/DC, 50/60 Hz
<a href="#">TB3240W/U</a>	3	2	0	1	White	24 V AC/DC, 50/60 Hz
<a href="#">TB3140B/U</a>	3	0	2	1	Black	220 V AC, 50/60 Hz
<a href="#">TB3140W/U</a>	3	0	2	1	White	220 V AC, 50/60 Hz

Antifreeze safety thermostat IP65



Code	Temperature Element	Range	Length of capillary (m)	Reset
<a href="#">FT6960-18</a>	Capillary with bulb	-8 to 8°C	1.8	Button
<a href="#">FT6960-30</a>	Capillary	-8 to 8°C	3	Button
<a href="#">FT6960-60</a>	Capillary	-8 to 8°C	6	Button
<a href="#">FT6961-18</a>	Capillary with bulb	-8 to 8°C	1.8	Automatic
<a href="#">FT6961-30</a>	Capillary	-8 to 8°C	3	Automatic
<a href="#">FT6961-60</a>	Capillary	-8 to 8°C	6	Automatic

Ambient thermostat for industrial areas



Code	Adjustment steps	Function / capacity	Reset	Temp. Adjuste
<a href="#">T6120A1005</a>	–	SPDT 250Vac 10A(1,5A)	Automatic	0...60°C
<a href="#">T6120B1003</a>	2 ... 10	2xSPDT250Vac 15A(8A)	Automatic	-30...30°C

Smoke vent pressure switch in boiler

Code	Output	Range	Length	Reset
<a href="#">RGT240</a>	SPDT 10A/250Vac	20 to 400°C	150 mm	Automatic

Two-stage antifreeze safety thermostat IP42



Code	Output	Range	Length of capillary	Reset
<a href="#">FTSE20</a>	0-10V & Relay	1 to 10°C	2 m	auto/man
<a href="#">FTSE60</a>	0-10V & Relay	1 to 10°C	6 m	auto/man

Pneumatic ambient thermostat



TP970 / TP972 / TP973



TP974

Code	Action	Temperature	Housing
<a href="#">TP970A2004/U</a>	Direct	60°F to 90°F	No
<a href="#">TP970A2020/U</a>	Direct	15°C to 30°C	No
<a href="#">TP970B2002/U</a>	Inverse	60°F to 90°F	No
<a href="#">TP970B2010/U</a>	Inverse	15°C to 30°C	No
<a href="#">TP972A2010/U</a>	Direct in heat Inverse in cold	15°C to 30°C	No
<a href="#">TP973A2084/U</a>	Direct	15°C to 30°C	No
<a href="#">TP974A2000/U</a>	Direct	15°C to 30°C	Yes



Contact thermostat (2m capillary)



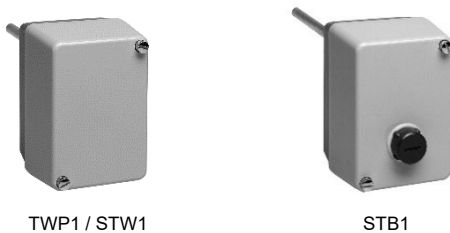
Code	Output	Range	Montage	Reset
<a href="#">STB2080</a>	230 Vac 16 A (2.5 A)	20 to 80°C	Wall / Pipe / Immersion	Automatic
<a href="#">STB70130</a>	230 Vac 16 A (2.5 A)	70 to 130°C	Wall / Pipe / Immersion	manual
<a href="#">STW2080</a>	230 Vac 16 A (2.5 A)	20 to 80°C	Wall / Pipe / Immersion	Automatic
<a href="#">STW70130</a>	230 Vac 16 A (2.5 A)	70 to 130°C	Wall / Pipe / Immersion	manual
Accessories				
<a href="#">STG12-100</a>	100 mm sleeve for STB/STW series thermostats			

Immersion thermostat



Code	Output	Range	Length	Reset
<a href="#">STB+TW</a>	2 xSPDT 10A/230Vac	30 to 110°C	150 mm	Button Manual
<a href="#">STW+TR</a>	2 xSPDT 10A/230Vac	20 to 150°C	150 mm	Button Manual
<a href="#">STB+TR</a>	2 xSPDT 10A/230Vac	30 to 110°C	150 mm	Button Manual
Accessories				
<a href="#">T5NST</a>	100 mm sleeve for STB/STW series thermostats			

Immersion thermostat



Code	Output	Range	Length	Reset
<a href="#">TWP1</a>	SPDT 10A/230Vac	20 to 150°C	150 mm	Automatic
<a href="#">STW1</a>	SPDT 10A/230Vac	20 to 150°C	150 mm	Automatic
<a href="#">STB1</a>	SPST 10A/230Vac	60 to 130°C	150 mm	Manual Button
Accessories				
<a href="#">T4NST</a>	100 mm sleeve for STB/STW series thermostats			

Capillary pneumatic thermostat



Code	Action	Temperature	Length
<a href="#">LP916A1134/U</a>	Direct	19-30°C	914 mm

Immersion pneumatic thermostat

Code	Action	Temperature	Length
<a href="#">LP920A1005/U</a>	Direct	30-150°C	254 mm
<a href="#">LP920A1021/U</a>	Direct	30-150°C	254 mm



# PRESSURE SWITCHES

2024

Differential pressure switch for air



Code	Output	Range (Pa)	Change Dif.	Un.
<a href="#">DPS200</a>	SPTD 1,5A/240Vac	20 - 200	10 Pa	1
<a href="#">DPS200-25</a>	SPTD 1,5A/240Vac	20 - 200	10 Pa	25
<a href="#">DPS200B</a>	SPTD 1,5A/240Vac	20 - 200	10 Pa	30
<a href="#">DPS400</a>	SPTD 1,5A/240Vac	40 - 400	20 Pa	1
<a href="#">DPS400-25</a>	SPTD 1,5A/240Vac	40 - 400	20 Pa	25
<a href="#">DPS400B</a>	SPTD 1,5A/240Vac	40 - 400	20 Pa	30
<a href="#">DPS500</a>	SPTD 1,5A/240Vac	20 - 500	20 Pa	1
<a href="#">DPS500B</a>	SPTD 1,5A/240Vac	20 - 500	20 Pa	30
<a href="#">DPS1000</a>	SPTD 1,5A/240Vac	200 - 1000	100 Pa	1
<a href="#">DPS2500</a>	SPTD 1,5A/240Vac	500 - 2500	150 Pa	1

Differential pressure switch for gas and liquid

Code	Adjustment Range	Max. Pressure	Material sensor
<a href="#">DPSL200</a>	40 ... 200	10 bar	EPDM
<a href="#">DPSL1000</a>	150 ... 1000	10 bar	EPDM



Differential pressure switch for gas and liquid with display



Code	Output	Range bar	Max. Pressure
<a href="#">PSHDB0062</a>	open collector	0...6	21 bar
<a href="#">PSHDB0202</a>	open collector	0...20	60 bar

Pressure switch for combustible gases

Code	Range pressure (bar)	Change diff. Mbar	Max. Pressure (bar)	Material sensor
<a href="#">DGM306A</a>	0,015 ... 0,06	2...10	0,8	Copper + Brass
<a href="#">DGM310A</a>	0,02 ... 0,1	4...10	0,8	Copper + Brass
<a href="#">DGM325A</a>	0,04 ... 0,25	7...14	0,8	Copper + Brass
<a href="#">DGM325A-213</a>	0,04 ... 0,25	7...14	0,8	Copper + Brass
<a href="#">DGM06A</a>	0,1 ... 0,6	10...35	2	Copper + Brass
<a href="#">DGM06A-213</a>	0,1 ... 0,6	10...35	2	Copper + Brass
<a href="#">DGM06A-S</a>	0,1 ... 0,6	10...35	2	Copper + Brass
<a href="#">DGM1A</a>	0,2 ... 1,6	10...55	3	Copper + Brass
<a href="#">DGM1-513</a>	0,2 ... 1,8	10...55	3	Copper + Brass
<a href="#">DGM1A-S</a>	0,2 ... 1,9	10...55	3	Copper + Brass
<a href="#">DGM506</a>	0,015 ... 0,06	7...11	5	Stn. Steel.
<a href="#">DGM506-213</a>	0,015 ... 0,06	7...11	5	Stn. Steel.
<a href="#">DGM506-313</a>	0,015 ... 0,06	7...11	5	Stn. Steel.
<a href="#">DGM506-301</a>	0,015 ... 0,06	7...11	5	Stn. Steel.
<a href="#">DGM516</a>	0,04 ... 0,16	10...18	5	Stn. Steel.
<a href="#">DGM516-213</a>	0,04 ... 0,16	10...18	5	Stn. Steel.
<a href="#">DGM516-301</a>	0,04 ... 0,16	10...20	5	Stn. Steel.
<a href="#">DGM516-363</a>	0,04 ... 0,16	10...20	5	Stn. Steel.
<a href="#">DGM516-363-S</a>	0,04 ... 0,16	10...20	5	Stn. Steel.
<a href="#">DGM516-351</a>	0,04 ... 0,16	10...20	5	Stn. Steel.
<a href="#">DGM516-S</a>	0,04 ... 0,16	10...20	5	Stn. Steel.



Special construction high pressure switch



Code	Range pressure (bar)	Adj. change diff. (bar)	Change diff. (bar)	Max. Pressure (bar)
<a href="#">DWAM06</a>	0,1 ... 0,6	-	0,04	5
<a href="#">DWAM1</a>	0,2 ... 1,6	-	0,05	5
<a href="#">DWAM6</a>	1,2 ... 6	-	0,2	10
<a href="#">DWAM16</a>	3 ... 16	-	0,4	20
<a href="#">DWAM32</a>	6 ... 32	-	1,2	45
<a href="#">DWAMV16*</a>	3 ... 16	0,8 ... 2,5	-	20

Pressure switch for liquids and gases (I)



Code	Range pressure (bar)	Change diff. (bar)	Max. Pressure (bar)	Material sensor
<a href="#">DCM025</a>	0,04 ... 0,25	0,03	6	Copper + Brass
<a href="#">DCM025-213</a>	0,04 ... 0,25	0,03	6	Copper + Brass
<a href="#">DCM025-217C-S*</a>	0,04 ... 0,25	0,03	6	Copper + Brass
<a href="#">DCM025-301-S</a>	0,04 ... 0,25	0,03	6	Copper + Brass
<a href="#">DCM025-513</a>	0,04 ... 0,25	0,03	6	Copper + Brass
<a href="#">DCM025-S</a>	0,04 ... 0,25	0,03	6	Copper + Brass
<a href="#">DCM06</a>	0,1 ... 0,6	0,04	6	Copper + Brass
<a href="#">DCM06-205</a>	0,1 ... 0,6	0,04	6	Copper + Brass
<a href="#">DCM06-301</a>	0,1 ... 0,6	0,04	6	Copper + Brass
<a href="#">DCM06-307-S</a>	0,1 ... 0,6	0,04	6	Copper + Brass
<a href="#">DCM06-513</a>	0,1 ... 0,6	0,04	6	Copper + Brass
<a href="#">DCM1</a>	0,2 ... 1,6	0,04	6	Copper + Brass
<a href="#">DCM1-206</a>	0,2 ... 1,6	0,04	6	Copper + Brass
<a href="#">DCM1-301</a>	0,2 ... 1,6	0,04	6	Copper + Brass
<a href="#">DCM1-S</a>	0,2 ... 1,6	0,04	6	Copper + Brass
<a href="#">DNM025</a>	0,04 ... 0,25	0,03	6	Stn. Steel.
<a href="#">DCM10</a>	1 ... 10	0,03	25	Stn. Steel.
<a href="#">DCM10-205</a>	1 ... 10	0,03	25	Stn. Steel.
<a href="#">DCM10-213-S</a>	1 ... 10	0,03	25	Stn. Steel.
<a href="#">DCM10-217B-S</a>	1 ... 10	0,03	25	Stn. Steel.
<a href="#">DCM10-217C-S</a>	1 ... 10	0,03	25	Stn. Steel.
<a href="#">DCM10-217D-S</a>	1 ... 10	0,03	25	Stn. Steel.
<a href="#">DCM10-301</a>	1 ... 10	0,03	25	Stn. Steel.
<a href="#">DCM10-307-S</a>	2 ... 10	0,03	25	Stn. Steel.
<a href="#">DCM10-313</a>	3 ... 10	0,03	25	Stn. Steel.
<a href="#">DCM10-351</a>	4 ... 10	0,03	25	Stn. Steel.
<a href="#">DCM10-363</a>	5 ... 10	0,03	25	Stn. Steel.
<a href="#">DCM10-513</a>	6 ... 10	0,03	25	Stn. Steel.
<a href="#">DCM10-513-S</a>	7 ... 10	0,03	25	Stn. Steel.
<a href="#">DCM10-S</a>	8 ... 10	0,03	25	Stn. Steel.
<a href="#">DCM1000</a>	0,01...0,1	2...12 mbar	10	Perbunan+MS
<a href="#">DCM1000-351*</a>	0,01...0,1	2...12 mbar	10	Perbunan+MS
<a href="#">DCM1000-513-S</a>	0,01...0,1	2...12 mbar	10	Perbunan+MS
<a href="#">DCM1000-S</a>	0,01...0,1	2...12 mbar	10	Perbunan+MS
<a href="#">DCM16</a>	3 ... 16	0,5	25	Stn. Steel.
<a href="#">DCM16-303-S</a>	3 ... 16	0,5	25	Stn. Steel.
<a href="#">DCM16-351</a>	3 ... 16	0,5	25	Stn. Steel.
<a href="#">DCM16-363*</a>	3 ... 16	0,5	25	Stn. Steel.
<a href="#">DCM16-S</a>	3 ... 16	0,5	25	Stn. Steel.
<a href="#">DCM25</a>	4 ... 25	1	60	Stn. Steel.
<a href="#">DCM25-205*</a>	4 ... 25	1	60	Stn. Steel.
<a href="#">DCM25-217A-S</a>	4 ... 25	1	60	Stn. Steel.
<a href="#">DCM25-217B-S</a>	4 ... 25	1	60	Stn. Steel.
<a href="#">DCM25-351</a>	4 ... 25	1	60	Stn. Steel.

Pressure switch for liquids and gases (II)



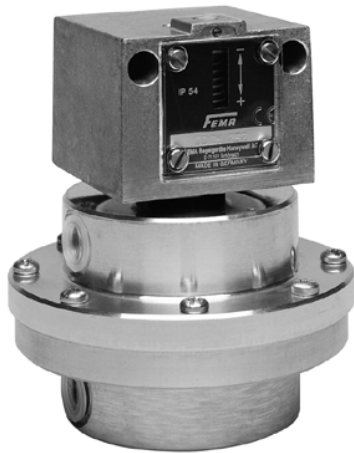
Code	Range pressure (bar)	Change diff. (bar)	Max. Pressure (bar)	Material sensor
<a href="#">DCM3</a>	0,2 ... 2,5	0,1	16	Stn. Steel.
<a href="#">DCM3-217C-S</a>	0,2 ... 2,5	0,1	16	Stn. Steel.
<a href="#">DCM3-301</a>	0,2 ... 2,5	0,1	16	Stn. Steel.
<a href="#">DCM3-307-S*</a>	0,2 ... 2,5	0,1	16	Stn. Steel.
<a href="#">DCM3-513</a>	0,2 ... 2,5	0,1	16	Stn. Steel.
<a href="#">DCM3-S</a>	0,2 ... 2,5	0,1	16	Stn. Steel.
<a href="#">DCM40</a>	8 ... 40	1,3	60	Stn. Steel.
<a href="#">DCM40-213-S</a>	8 ... 40	1,3	60	Stn. Steel.
<a href="#">DCM40-513</a>	8 ... 40	1,3	60	Stn. Steel.
<a href="#">DCM4016</a>	8 ... 40	1,3	60	Stn. Steel.
<a href="#">DCM4025</a>	8 ... 40	1,3	60	Stn. Steel.
<a href="#">DCM6</a>	0,5 ... 6	0,15	16	Stn. Steel.
<a href="#">DCM6-205</a>	0,5 ... 6	0,15	16	Stn. Steel.
<a href="#">DCM6-206</a>	0,5 ... 6	0,15	16	Stn. Steel.
<a href="#">DCM6-213</a>	0,5 ... 6	0,15	16	Stn. Steel.
<a href="#">DCM6-217A-S</a>	0,5 ... 6	0,15	16	Stn. Steel.
<a href="#">DCM6-217C-S</a>	0,5 ... 6	0,15	16	Stn. Steel.
<a href="#">DCM6-301</a>	0,5 ... 6	0,15	16	Stn. Steel.
<a href="#">DCM6-307-S</a>	0,5 ... 6	0,15	16	Stn. Steel.
<a href="#">DCM6-513</a>	0,5 ... 6	0,15	16	Stn. Steel.
<a href="#">DCM6-513-S</a>	0,5 ... 6	0,15	16	Stn. Steel.
<a href="#">DCM6-S</a>	0,5 ... 6	0,15	16	Stn. Steel.
<a href="#">DCM625</a>	0,5 ... 6	0,15	16	Stn. Steel.
<a href="#">DCM625-S</a>	0,5 ... 6	0,15	16	Stn. Steel.
<a href="#">DCM63</a>	16 ... 63	2	130	Stn. Steel.
<a href="#">DCM63-213</a>	16 ... 63	2	130	Stn. Steel.

Pressure switch for liquids and gases with adjustment

Code	Range pressure (bar)	Adj. change diff. (bar)	Max. Pressure (bar)	Material sensor
<a href="#">DCMV025</a>	0,04 ... 0,25	0,03 ... 0,4	6	Copper + Brass
<a href="#">DCMV06</a>	0,1 ... 0,6	0,04 ... 0,5	6	Copper + Brass
<a href="#">DCMV1</a>	0,2 ... 1,6	0,07 ... 0,55	6	Copper + Brass
<a href="#">DCMV3</a>	0,2 ... 2,5	0,15 ... 1,5	16	Stainless Steel
<a href="#">DCMV6</a>	0,5 ... 6	0,25 ... 2	16	Stainless Steel
<a href="#">DCMV6-S</a>	0,5 ... 6	0,25 ... 2	16	Stainless Steel
<a href="#">DCMV10</a>	1 ... 10	0,5 ... 2,8	25	Stainless Steel
<a href="#">DCMV16</a>	3 ... 16	0,7 ... 3,5	25	Stainless Steel
<a href="#">DCMV25</a>	4 ... 25	1,3 ... 6	60	Stainless Steel
<a href="#">DCMV40</a>	8 ... 40	2,2 ... 6,6	60	Stainless Steel
<a href="#">DCMV63</a>	16 ... 63	3 ... 10	130	Stainless Steel



Differential pressure switch for liquids and gases



Code	Adjustment Range of pressure (bar)	Diferencial de conmutación	Max. Pressure (bar)	Material sensor
<a href="#">DDCM252</a>	0,004 ... 0,025	0,002 bar	0,5	Perbunan + Aluminium
<a href="#">DDCM252-313</a>	0,004 ... 0,025	0,002 bar	0,5	Perbunan + Aluminium
<a href="#">DDCM662</a>	0,01 ... 0,06	0,015 bar	1,5	Perbunan + Aluminium
<a href="#">DDCM1602*</a>	0,02 ... 0,16	0,02 bar	3	Perbunan + Aluminium
<a href="#">DDCM1602-351</a>	0,02 ... 0,16	0,02 bar	3	Perbunan + Aluminium
<a href="#">DDCM6002</a>	0,1 ... 0,6	0,035 bar	3	Perbunan + Aluminium
<a href="#">DDCM6002-301</a>	0,1 ... 0,6	0,035 bar	3	Perbunan + Aluminium
<a href="#">DDCM014</a>	-0,1 ... 0,4	0,15 bar	15	Stainless Steel
<a href="#">DDCM1</a>	0,2 ... 1,6	0,13 bar	15	Stainless Steel
<a href="#">DDCM4</a>	1 ... 4	0,2 bar	25	Stainless Steel
<a href="#">DDCM4-513</a>	1 ... 4	0,2 bar	25	Stainless Steel
<a href="#">DDCM6</a>	0,5 ... 6	0,2 bar	15	Stainless Steel
<a href="#">DDCM6-313-S</a>	0,5 ... 6	0,2 bar	15	Stainless Steel
<a href="#">DDCM16-513</a>	3 ... 16	0,6 bar	25	Stainless Steel
<b>Accessories</b>				
<a href="#">U430B</a>	U-shaped siphon for high temperature, steel (for more accessories, please refer to Accessories for pressure switches / transmitters)			

Differential pressure switch for aggressive liquids and gases

Code	Adjustment Range of pressure (bar)	Switching differential (bar)	Switching differential (bar)	Max. Pressure (bar)
<a href="#">DNS025-201</a>	0.04 ... 0.25	–	0.03	6
<a href="#">DNS025-351</a>	0.04 ... 0.25	–	0.03	6
<a href="#">DNS06-201</a>	0.1 ... 0.6	–	0.04	6
<a href="#">DNS06-351</a>	0.1 ... 0.6	–	0.04	6
<a href="#">DNS1-201</a>	0.2 ... 1.6	–	0.06	6
<a href="#">DNS1-351</a>	0.2 ... 1.6	–	0.06	6
<a href="#">DNS3-201</a>	0.2 ... 2.5	–	0.1	16
<a href="#">DNS3-351</a>	0.2 ... 2.5	–	0.1	16
<a href="#">DNS3-576</a>	0.2 ... 2.5	–	0.1	16
<a href="#">DNS6-201</a>	0.5 ... 6	–	0.15	16
<a href="#">DNS6-201-S</a>	0.5 ... 6	–	0.15	16
<a href="#">DNS6-307-S</a>	0.5 ... 6	–	0.15	16
<a href="#">DNS6-351</a>	0.5 ... 6	–	0.15	16
<a href="#">DNS6-513*</a>	0.5 ... 6	–	0.15	16
<a href="#">DNS10-201</a>	1 ... 10	–	0.3	16
<a href="#">DNS10-351</a>	1 ... 10	–	0.3	16
<a href="#">DNS6-203</a>	0.5 ... 6	0.25 ... 2	–	16
<a href="#">DNS10-203</a>	1 ... 10	0.5 ... 2.5	–	16
<a href="#">DNS16-203</a>	3 ... 16	0.8 ... 3.5	–	25
<a href="#">DNS16-513</a>	3 ... 16	0.8 ... 3.5	–	25



Pressure switch for hot water, steam, gas, or fuels (I)



- 213** : Gold-plated contacts, switching capacity: max. 24 VDC, 100 mA, min. 5 VDC, 2 mA. And others not available with adjustable switching difference.
- 301** : Terminal connection housing, IP65
- 513** : Gold contacts, unipolar switching. Permanent switching differential. IP65. Switching capacity: max. 24 VDC, 100 mA, min. 5 VDC, 2 mA, requires suitable isolated switching amplifier, Ex-i protection class.
- 574** : Normally closed contact with resistance combination for minimum pressure monitoring. Gold-plated contacts. Housing with surface protection (chemical version), IP65, Ex-i protection class.
- 575** : Normally closed contact with reconnection lock resistance combination for minimum pressure monitoring. Housing with surface protection (chemical version), IP65, Ex-i protection class.
- 576** : Normally closed contact with resistance combination for maximum pressure control. Gold-plated contacts. Housing with surface protection (chemical version), IP65, Ex-i protection class.
- 577** : Normally closed contact with reconnection lock and resistance combination for maximum pressure monitoring. Housing with surface protection (chemical version), IP65, Ex-i protection class.

Code	Range of pressure adjustment (bar)	Adj. change of diff. (bar)	Change of diff. (bar)	Max. Pressure (bar)
<a href="#">DWR06</a>	0.1 ... 0.6	–	0.04	6
<a href="#">DWR06-206</a>	0.1 ... 0.6	–	0.04	6
<a href="#">DWR06-213-S</a>	0.1 ... 0.6	–	0.04	6
<a href="#">DWR06-301</a>	0.1 ... 0.6	–	0.04	6
<a href="#">DWR06-313</a>	0.1 ... 0.6	–	0.04	6
<a href="#">DWR06-351</a>	0.1 ... 0.6	–	0.04	6
<a href="#">DWR06-363</a>	0.1 ... 0.6	–	0.04	6
<a href="#">DWR06-363-S</a>	0.1 ... 0.6	–	0.04	6
<a href="#">DWR06-513</a>	0.1 ... 0.6	–	0.04	6
<a href="#">DWR06-S</a>	0.1 ... 0.6	–	0.04	6
<a href="#">DWR1</a>	0.2 ... 1.6	–	0.06	6
<a href="#">DWR1-205</a>	0.2 ... 1.6	–	0.06	6
<a href="#">DWR1-206</a>	0.2 ... 1.6	–	0.06	6
<a href="#">DWR1-213</a>	0.2 ... 1.6	–	0.06	6
<a href="#">DWR1-301</a>	0.2 ... 1.6	–	0.06	6
<a href="#">DWR1-513</a>	0.2 ... 1.6	–	0.06	6
<a href="#">DWR1-S</a>	0.2 ... 1.6	–	0.06	6
<a href="#">DWR3</a>	0.2 ... 2.5	–	0.1	16
<a href="#">DWR3-205</a>	0.2 ... 2.5	–	0.1	16
<a href="#">DWR3-206</a>	0.2 ... 2.5	–	0.1	16
<a href="#">DWR3-206-S</a>	0.2 ... 2.5	–	0.1	16
<a href="#">DWR3-213</a>	0.2 ... 2.5	–	0.1	16
<a href="#">DWR3-301</a>	0.2 ... 2.5	–	0.1	16
<a href="#">DWR3-313</a>	0.2 ... 2.5	–	0.1	16
<a href="#">DWR3-356</a>	0.2 ... 2.5	–	0.1	16
<a href="#">DWR3-513</a>	0.2 ... 2.5	–	0.1	16
<a href="#">DWR3-574</a>	0.2 ... 2.5	–	0.1	16
<a href="#">DWR3-S</a>	0.2 ... 2.5	–	0.1	16
<a href="#">DWR6</a>	0.5 ... 6	–	0.2	16
<a href="#">DWR6-203-S</a>	0.5 ... 6	–	0.2	16
<a href="#">DWR6-205</a>	0.5 ... 6	–	0.2	16
<a href="#">DWR6-205-S</a>	0.5 ... 6	–	0.2	16
<a href="#">DWR6-206</a>	0.5 ... 6	–	0.2	16
<a href="#">DWR6-213</a>	0.5 ... 6	–	0.2	16
<a href="#">DWR6-301</a>	0.5 ... 6	–	0.2	16
<a href="#">DWR6-301-S</a>	0.5 ... 6	–	0.2	16
<a href="#">DWR6-513</a>	0.5 ... 6	–	0.2	16
<a href="#">DWR6-574-S</a>	0.5 ... 6	–	0.2	16
<a href="#">DWR6-S</a>	0.5 ... 6	–	0.2	16
<a href="#">DWR625</a>	0.5 ... 6	–	0.25	25
<a href="#">DWR625-205</a>	0.5 ... 6	–	0.25	25
<a href="#">DWR625-206</a>	0.5 ... 6	–	0.25	25
<a href="#">DWR625-301</a>	0.5 ... 6	–	0.25	25
<a href="#">DWR625-301-S</a>	0.5 ... 6	–	0.25	25
<a href="#">DWR625-513</a>	0.5 ... 6	–	0.25	25
<a href="#">DWR625-574</a>	0.5 ... 6	–	0.25	25

Pressure switch for hot water, steam, gas, or fuels (II)

Code	Range of adjustment of pressure (bar)	Adj. change of diff. (bar)	Change of diff. (bar)	Max. Pressure (bar)
<a href="#">DWR625-576</a>	0.5 ... 6	–	0.25	25
<a href="#">DWR625-S</a>	0.5 ... 6	–	0.25	25
<a href="#">DWR16</a>	3 ... 16	–	0.5	25
<a href="#">DWR16-S</a>	3 ... 16	–	0.5	25
<a href="#">DWR16-205</a>	3 ... 16	–	0.5	25
<a href="#">DWR16-205-S</a>	3 ... 16	–	0.5	25
<a href="#">DWR16-206</a>	3 ... 16	–	0.5	25
<a href="#">DWR16-213</a>	3 ... 16	–	0.5	25
<a href="#">DWR16-213-S</a>	3 ... 16	–	0.5	25
<a href="#">DWR16-301</a>	3 ... 16	–	0.5	25
<a href="#">DWR16-351</a>	3 ... 16	–	0.5	25
<a href="#">DWR16-513</a>	3 ... 16	–	0.5	25
<a href="#">DWR16-574-S</a>	3 ... 16	–	0.5	25
<a href="#">DWR16-575</a>	3 ... 16	–	0.5	25
<a href="#">DWR25</a>	4 ... 25	–	1	63
<a href="#">DWR25-205</a>	4 ... 25	–	1	63
<a href="#">DWR25-206</a>	4 ... 25	–	1	63
<a href="#">DWR25-213</a>	4 ... 25	–	1	63
<a href="#">DWR25-301</a>	4 ... 25	–	1	63
<a href="#">DWR25-301-S</a>	4 ... 25	–	1	63
<a href="#">DWR25-513</a>	4 ... 25	–	1	63
<a href="#">DWR25-513-S</a>	4 ... 25	–	1	63
<a href="#">DWR25-576</a>	4 ... 25	–	1	63
<a href="#">DWR25-577</a>	4 ... 25	–	1	63
<a href="#">DWR40</a>	8 ... 40	–	1.3	63
<a href="#">DWR40-205</a>	8 ... 40	–	1.3	63
<a href="#">DWR40-206</a>	8 ... 40	–	1.3	63
<a href="#">DWR40-213</a>	8 ... 40	–	1.3	63
<a href="#">DWR40-301</a>	8 ... 40	–	1.3	63
<a href="#">DWR40-303</a>	8 ... 40	–	1.3	63
<a href="#">DWR40-S</a>	8 ... 40	–	1.3	63
<a href="#">DWR06-203</a>	0.1 ... 0.6	0.08 ... 0.5	–	6
<a href="#">DWR1-203</a>	0.2 ... 1.6	0.15 ... 0.6	–	6
<a href="#">DWR3-203</a>	0.2 ... 2.5	0.17 ... 1.4	–	16
<a href="#">DWR3-363</a>	0.2 ... 2.5	0.17 ... 1.4	–	16
<a href="#">DWR6-203</a>	0.5 ... 6	0.3 ... 1.7	–	16
<a href="#">DWR6-363</a>	0.5 ... 6	0.3 ... 1.7	–	16
<a href="#">DWR6-305</a>	0.5 ... 6	0.08 ... 0.3	–	16
<a href="#">DWR6-306</a>	0.5 ... 6	0.08 ... 0.3	–	16
<a href="#">DWR625-203</a>	0.5 ... 6	0.4 ... 2.5	–	25
<a href="#">DWR625-363</a>	0.5 ... 6	0.08 ... 6	–	25
<a href="#">DWR625-363-S</a>	0.5 ... 6	0.08 ... 6	–	25
<a href="#">DWR16-203</a>	3 ... 16	0.75 ... 3.15	–	25
<a href="#">DWR16-305</a>	3 ... 16	0.3 ... 1.5	–	25
<a href="#">DWR16-363</a>	4 ... 25	0.3 ... 1.5	–	63
<a href="#">DWR25-203</a>	4 ... 25	1.3 ... 6	–	63
<a href="#">DWR25-363</a>	4 ... 25	1.3 ... 6	–	63
<a href="#">DWR40-203</a>	8 ... 40	2.3 ... 6.6	–	63



ATEX pressure switch for flammable gases



Code	Pressure Range (mbar)	Change diff. mbar	Max. Pressure (bar)	Sensor Material
<a href="#">EX-DGM506</a>	10...60	7...11	5	Stn. Steel.
<a href="#">EX-DGM506-S</a>	10...60	7...11	5	Stn. Steel.
<a href="#">EX-DGM516</a>	40...160	3...18	5	Stn. Steel.
<a href="#">EX-DGM516-S</a>	40...160	3...18	5	Stn. Steel.
<a href="#">EX-DGM525</a>	100...250	3...18	5	Stn. Steel.

ATEX pressure switch for non-aggressive liquids and gases



Code	Pressure Range (bar)	Change diff. (bar)	Max. Pressure (bar)	Sensor Material
<a href="#">EX-DCM4016</a>	0,001...0,016	0,002	1	Perbunan + Stainless Steel
<a href="#">EX-DNM10</a>	1 ... 10	0,3	16	Stn. Steel.

ATEX pressure switch for aggressive liquids and gases



Code	Range pressure (bar)	Cambio diff. (bar)	Max. Pressure (bar)	Material sensor
<a href="#">EX-DNS025</a>	0,04 ... 0,25	0,03	6	Stn. Steel.
<a href="#">EX-DNS025-S</a>	0,04 ... 0,25	0,03	6	Stn. Steel.
<a href="#">EX-DNS06</a>	0,1 ... 0,6	0,04	6	Stn. Steel.
<a href="#">EX-DNS1</a>	0,2 ... 1,6	0,06	6	Stn. Steel.
<a href="#">EX-DNS3</a>	0,2...2,5	0,09	16	Stn. Steel.
<a href="#">EX-DNS6</a>	0,5 ... 6	0,15	16	Stn. Steel.
<a href="#">EX-DNS10</a>	1 ... 10	0,3	16	Stn. Steel.
<a href="#">EX-DNS16</a>	3 ... 16	0,3	25	Stn. Steel.

ATEX pressure switch for steam, gas, and cold or hot water



Code	Range pressure (bar)	Change diff. (bar)	Max. Pressure (bar)	Material sensor
<a href="#">Ex-DDCM252</a>	0,004...0,025	0,002	0,5	Perbunan + Aluminium
<a href="#">Ex-DDCM4</a>	1 ... 4	0,2	25	1.4305 + 1.4571

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ATEX pressure switch for hot water, steam, gas, and fuels



ATEX vacuum switches for liquid and gas



Code	Range pressure (bar)	Change diff. (bar)	Max. Pressure (bar)	Material sensor
<a href="#">EX-DWR06</a>	0.1 ... 0.6	0.04	6	Stn. Steel.
<a href="#">EX-DWR06-S</a>	0.1 ... 0.6	0.04	6	Stn. Steel.
<a href="#">EX-DWR1</a>	0.2 ... 1.6	0.06	6	Stn. Steel.
<a href="#">EX-DWR1-S</a>	0.2 ... 1.6	0.06	6	Stn. Steel.
<a href="#">EX-DWR3</a>	0.2 ... 2.5	0.1	16	Stn. Steel.
<a href="#">EX-DWR3-S</a>	0.2 ... 2.5	0.1	16	Stn. Steel.
<a href="#">EX-DWR6</a>	0.5 ... 6	0.2	16	Stn. Steel.
<a href="#">EX-DWR6-S</a>	0.5 ... 6	0.2	16	Stn. Steel.
<a href="#">EX-DWR625</a>	0.5 ... 6	0.25	25	Stn. Steel.
<a href="#">EX-DWR625-S</a>	0.5 ... 6	0.25	25	Stn. Steel.
<a href="#">EX-DWR16</a>	3 ... 16	0.5	25	Stn. Steel.
<a href="#">EX-DWR25</a>	4 ... 25	1	63	Stn. Steel.
<a href="#">EX-DWR25-S</a>	4 ... 25	1	63	Stn. Steel.

Code	Range pressure (mbar)	Change diff. (mbar)	Max. Pressure (mbar)	Material sensor
<a href="#">EX-VCM4156*</a>	-15 ... 6	2	1	Perbunan + Stn. Steel.
<a href="#">EX-VNM301</a>	-250 ... 100	45	3	Stn. Steel.
<a href="#">EX-VNM111</a>	-1000 ... 100	50	6	Stn. Steel.

Maximum pressure limiter with self-control sensor and internal locking, for steam and hot water



Maximum pressure limiter for liquefied gas systems with safety function, protection degree Ex-i



Code	Range pressure (mbar)	Change diff. (mbar)	Max. Pressure (bar)	Material sensor
<a href="#">SDBAM1</a>	0,2 ... 1,6	0,12	5	Stn. Steel.
<a href="#">SDBAM2.5</a>	0,4 ... 2,5	0,15	5	Stn. Steel.
<a href="#">SDBAM6</a>	1.2 ... 6	0.4	10	Stn. Steel.
<a href="#">SDBAM625</a>	1.2 ... 6	0,6	20	Stn. Steel.
<a href="#">SDBAM16</a>	3 ... 16	0,8	20	Stn. Steel.
<a href="#">SDBAM32</a>	6 ... 32	3	45	Stn. Steel.

Code	Range pressure (mbar)	Change diff. (mbar)	Max. Pressure (bar)	Material sensor
<a href="#">FD16-326</a>	3...16	0,5	40	Stn. Steel.
<a href="#">FD16-327</a>	3...16	2,5	40	Stn. Steel.

### Vacuum switches for gas

Code	Range pressure	Change diff.	Max. Pressure	Material sensor
<a href="#">VCM4156</a>	-15...+6 mbar	2mbar	1bar	Stn. Steel.
<a href="#">VCM4156-301</a>	-15...+6 mbar	2mbar	1bar	Stn. Steel.
<a href="#">VCM4156-513</a>	-15...+6 mbar	2mbar	1bar	Stn. Steel.
<a href="#">VCM4156-S</a>	-15...+6 mbar	2mbar	1bar	Stn. Steel.
<a href="#">VCM301</a>	- 250...+100mbar	25mbar	1.5bar	Stn. Steel.
<a href="#">VNM301</a>	- 250...+100mbar	45mbar	3bar	Stn. Steel.
<a href="#">VNM301-513</a>	- 250...+100mbar	45mbar	3bar	Stn. Steel.
<a href="#">VCM101</a>	-1...+0.1bar	45mbar	3bar	Stn. Steel.
<a href="#">VCM101-513</a>	-1...+0.1bar	45mbar	3bar	Stn. Steel.
<a href="#">VCM095</a>	-0.9...+0.5 bar	50mbar	3bar	Stn. Steel.
<a href="#">VNM111</a>	-1...+0.1 bar	50mbar	6bar	Stn. Steel.
<a href="#">VNM111-213</a>	-1...+0.1 bar	50mbar	6bar	Stn. Steel.
<a href="#">VNM111-513</a>	-1...+0.1 bar	50mbar	6bar	Stn. Steel.
<a href="#">VNM111-S</a>	-1...+0.1 bar	50mbar	6bar	Stn. Steel.
<a href="#">VNS111-201</a>	-1...+0.1bar	50mbar	6bar	Stn. Steel.
<a href="#">VCMV101</a>	-1...+0.1 bar	80-350mbar	3bar	Stn. Steel.
<a href="#">VCMV095</a>	-0.9...+0.5 bar	90-400mbar	3bar	Stn. Steel.



### Accessories & Spare Parts

Code	Description
<b>K430D</b>	High-temperature siphon, steel, circular
<b>K480D*</b>	High-temperature siphon, stainless steel, circular
<b>MAU8/MS</b>	Male adapter union, NBR O-ring
<b>NPT1</b>	NPT Adapter
<b>P2*</b>	Sealing
<b>PA1</b>	Paddle set
<b>ST12-5-A</b>	Male M12 connector with 5 pins, elbow version
<b>ST218</b>	Plug-in connector with position indication ST 218 12 V - 240 V AC/DC
<b>ST5</b>	Plug according to DIN 43650 ST 5 for switching units of series 200, with gasket and fixing screw, 3 poles + earth contact
<b>STA12</b>	Connector protective cap, IP65
<b>U430B</b>	Siphon for high temperature, steel, U-shaped
<b>VKD3*</b>	Combination of disconnection valve, vent valve 3
<b>VKD5</b>	Combination of disconnection valve, vent valve 5
<b>WLP1</b>	Heat-conductive compound
<b>ZFT5971</b>	Adjustment of switching point according to customer instructions with lead sealing
<b>ZFV162-50</b>	Accessories for pressure switches/transmitters DN50 low pressure of 0.4 bar and temperature between -30 and 120°C
<b>ZFV185-50</b>	Accessories for pressure switches/transmitters DN50 low pressure of 0.3 bar and temperature between -30 and 300°C
<b>ZFV749</b>	Accessories for pressure switches/transmitters G1 low pressure of 0.5 bar and temperature between -30 and 120°C



# HYGROSTATS



## Room hygrostat

Code	Communication Hysteresis RH	Temperature	IP	Function / capability of the switch
<a href="#">H6120A1000</a>	0,04	0 ... 60°C	IP30	SPDT 230Vac / 5A



## Duct Hygrostats



H6045A1002



HGK3

Code	Communication Hysteresis RH	Temperature	Length (mm)	Function / capability of the switch	IP
<a href="#">H6045A1002</a>	0,05	-10 ... 65°C	222	SPDT 250Vac / 15A (8A)	IP65
<a href="#">HGK3</a>	0,04	-30 ... 60 °C	200	SPDT 230 Vac, 15 A	IP54

## Dew Point Detector

Code	Temperature	Function / capability of the switch	IP
<a href="#">HSS-DPS</a>	0...50°C	24 Vac / dc, 1 A	IP40
<a href="#">HCP00-EU</a>	0...50°C	5 to 28 Vac / dc, 3mA(24vdc)	IP30



HSS-DPS



HCP00-EU



# FLOW SWITCHES

Air flow switch (neutral gases)

Air and liquid flow switch  
(with potentiometer adjustment and LED indicator)



ASL453

SLF3

Code	Output	Temp. Measured	Power Supply
<a href="#">ASL453</a>	SPDT 230V 8A	-20 to 100°C	230Vac
<a href="#">ASL453/24</a>	SPDT 230V 8A	-20 to 100°C	24Vac/dc
Accessories			
<a href="#">SLF3</a>	35 mm sensor for connection to the main unit ASL453, IP67		



ASL453

SLF3

Code	Output	Temp. Measured	Power Supply
<a href="#">ASW454</a>	SPDT 230V 8A	-15 to 80°C	230Vac
<a href="#">ASW454/24</a>	SPDT 230V 8A	-15 to 80°C	24Vac/dc
Accessories			
<a href="#">SWF62</a>	25 mm sensor for connection to the main unit ASW454, IP65		
<a href="#">SWF62L</a>	45 mm sensor for connection to the main unit ASW454, IP65		

Air flow switch  
(with potentiometer adjustment)

Liquid flow switch (with potentiometer adjustment and LED indicator)



Code	Output	Temp. Measured	Length (mm)	Power Supply
<a href="#">KSL230</a>	SPDT 250Vac/10A	-10 to 80°C	130	230Vac
<a href="#">KSL24</a>	SPDT 250Vac/10A	-10 to 80°C	130	24Vac/dc

Code	Output	Temp. Measured	Length (mm)	Power Supply
<a href="#">KSW230</a>	SPDT 250Vac/6A	-10 to 80°C	45	230Vac
<a href="#">KSW24</a>	SPDT 250Vac/6A	-10 to 80°C	45	24Vac/dc

Air flow switch (non-aggressive gases)



Code	Output	Temp. Max.	Length (mm)	IP
<a href="#">S6040A1003</a>	SPDT 250Vac/15A	85°C	175	IP65

Non-aggressive liquid flow switch

Code	Output	Temp. Measured	Length (mm)	pressure Max.	IP
<a href="#">S6065A1003</a>	SPDT 250Vac/15A	-40...120°C	20 ... 300	11 bar	IP65



Aggressive liquid flow switch

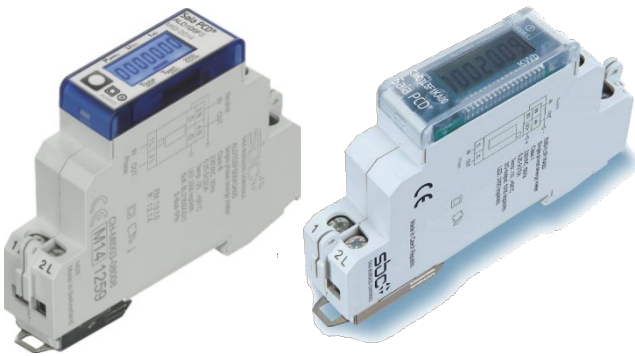


Code	Output	Temp. Measured	Length (mm)	pressure Max.	IP
<a href="#">S6065A2001</a>	SPDT 250Vac/15A	-40...120°C	20 ... 300	30 bar	IP65



# ELECTRIC ENERGY METERS

Single-phase electric energy meter with LCD display SBC



ALD1B5 / ALD1D5

EMD1L5F1KA00

Code	I.max	Width	Rates	MID	pulses/Kwh
<a href="#">ALD1B5FD00A3A00</a>	32A	17,5mm	1	Yes	Modbus RTU
<a href="#">ALD1B5FS00A3A00</a>	32A	17,5mm	1	Yes	S-bus
<a href="#">ALD1D5F10KA3A00</a>	32A	17,5mm	1	Yes	1000
<a href="#">ALD1D5FD00A3A00</a>	32A	17,5mm	1	Yes	Modbus RTU
<a href="#">ALD1D5FD00A3A44</a>	32A	17,5mm	1	Yes	Modbus parity 8N1
<a href="#">ALD1D5FM00A3A00</a>	32A	17,5mm	1	Yes	Mbus
<a href="#">ALD1D5FS00A3A00</a>	32A	17,5mm	1	Yes	S-Bus

Single-phase electric energy meter with Honeywell LCD display



EEM230-SEALCAP

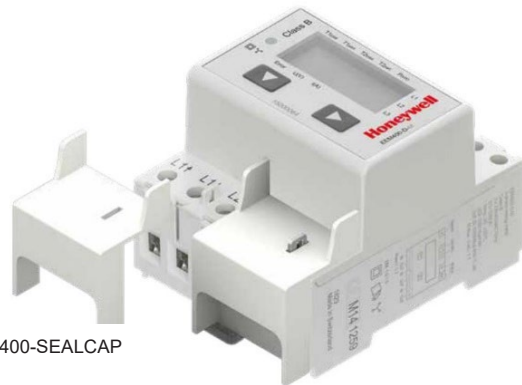
Code	I.max	Width	Rates	MID	pulses/Kwh
<a href="#">EEM230-D-M-MID</a>	32A	17,5mm	1	Yes	Mbus
<a href="#">EEM230-D-MO-MID</a>	32A	17,5mm	1	Yes	Modbus RTU
<a href="#">EEM230-D-P-MID</a>	32A	17,5mm	1	Yes	1000
<b>Accessories</b>					
<a href="#">EEM230-SEALCAP</a>	Covers to protect terminals from false contacts (20 units)				

Three-phase electric energy meter with Honeywell LCD display, MID, measurement through current transformers



Code	I.max	Width	Rates	MID	pulses/Kwh
<a href="#">EEM400-D-M-MID</a>	65A	70mm	2	Yes	Mbus
<a href="#">EEM400-D-MO-MID</a>	65A	70mm	2	Yes	Modbus RTU
<a href="#">EEM400-D-P-MID</a>	65A	70mm	2	Yes	1000
<b>Accessories</b>					
<a href="#">EEM400-SEALCAP</a>	Covers to protect terminals from false contacts (20 units)				

Three-phase electric energy meter with Honeywell LCD display, direct measurement



EEM400-SEALCAP

Code	I.max	Width	Rates	MID	pulses/Kwh
<a href="#">EEM230-D-M-MID</a>	32A	17,5mm	1	Yes	Mbus
<a href="#">EEM230-D-MO-MID</a>	32A	17,5mm	1	Yes	Modbus RTU
<a href="#">EEM230-D-P-MID</a>	32A	17,5mm	1	Yes	1000
<b>Accessories</b>					
<a href="#">EEM230-SEALCAP</a>	Covers to protect terminals from false contacts (20 units)				

Three-phase electric energy meter with SBC LCD display, direct measurement



Code	I.max	Width	Rates	MID	pulses/Kwh
<a href="#">ALE3B5F10KC3A00</a>	65A	70mm	1	Yes	1000
<a href="#">ALE3B5FD00C3A00</a>	65A	70mm	2	Yes	Modbus
<a href="#">ALE3B5FM00C3A00</a>	65A	70mm	2	Yes	Mbus
<a href="#">ALE3B5FS00C3A00</a>	65A	70mm	1	Yes	S-bus
<a href="#">ALE3D5F10KA3A00</a>	65A	70mm	1	Yes	1000
<a href="#">ALE3D5F11KC3A00</a>	65A	70mm	2	Yes	1000
<a href="#">ALE3D5FD10C3A00</a>	65A	70mm	2	Yes	Modbus
<a href="#">ALE3D5FD10C3A44</a>	65A	70mm	2	Yes	Modbus parity 8N1
<a href="#">ALE3D5FM10C3A00</a>	65A	70mm	2	Yes	Modbus
<a href="#">ALE3D5FS10C3A00</a>	65A	70mm	2	Yes	Modbus

Three-phase electric energy meter with SBC LCD display, MID, measurement through current transformers



Code	I.max	Width	Rates	MID	pulses/Kwh
<a href="#">AWD3B5W10MC3A00</a>	5...1500A	70mm	1	Yes	10
<a href="#">AWD3B5WS00C3A00</a>	5...1500A	70mm	1	Yes	S-Bus
<a href="#">AWD3D5W10MC3A00</a>	5...1500A	70mm	1	Yes	1
<a href="#">AWD3D5WD00C3A00</a>	5...1500A	70mm	1	Yes	Modbus RTU
<a href="#">AWD3D5WD00C3A44</a>	5...1500A	70mm	1	Yes	Modbus parity 8N1
<a href="#">AWD3D5WM00C3A00</a>	5...1500A	70mm	1	Yes	M-Bus
<a href="#">AWD3D5WS00C3A00</a>	5...1500A	70mm	1	Yes	S-Bus

Split core current transformer\*



Code	Signal	Diam. Max. Cable (mm)	Precision
<a href="#">EEM-CT-150-5</a>	0.150 A	18	Class 1
<a href="#">EEM-CT-200-5</a>	0.200 A	18	Class 1
<a href="#">EEM-CT-250-5</a>	0.250 A	18	Class 0.5
<a href="#">EEM-CT-400-5</a>	0.400 A	28	Class 1
<a href="#">EEM-CT-750-5</a>	0.750 A	42	Class 0.5

Accessories Electric energy meters

Code	Description
<a href="#">EEM-CONVERT</a>	4 input pulse to Modbus RS485 converter, powered by 230Vac





# VALVES

Linear valves and actuators with 2.5mm stroke



Power Supply	Length of Cable (m)	End of stroke	No voltage Stroke position	3 Points	0-10V				
24	2.5	—	Down			MT4-024-NC-2.5M			
24	1	—	Down			MT4-024-NC	M400-AG		
24	2.5	—	Up			MT4-024-NO-2.5M			
24	1	—	Up			MT4-024-NO	M400-AO		
230	2.5	—	Down			MT4-230-NC-2.5M			
230	1	—	Down			MT4-230-NC		M400-BG	
230	2.5	—	Up			MT4-230-NO-2.5M			
230	1	—	Up			MT4-230-NO		M400-BO	
24	1	1	Up				M400-AOE-2.5M		
24	1	1	Down				M400-AGE-2.5M		
230	1	1	Up					M400-BOE-2.5M	
230	1	1	Down					M400-BGE-2.5M	
24	0	—	Down		✓				M4100E1510
24 Vdc	0	—	Down		✓				M4100K1515
24	1	—	Down						M4410C4000*
230	1	—	Down						M4410L4000*
24	0.9			✓					M7410A1001
24	3			✓					M7410A1001-3M
24	5			✓					M7410A1001-5M*
24	1.5				✓				M7410E5001
24	3				✓				M7410E5001-3M
24	5				✓				M7410E5001-5M*

Stroke	Pace (sec.)	240	300	210	120	57	59
F (N)		90	100-140		100	90	
Stroke		Effective 2,5mm/4mm max					
		↑ Recommended actuators ↑					

Valve	PN	Range of Temp	Stroke 2,5MM		KVS	DN	Ap clos. (kPa)
			Conical Ends	Flat Ends			
 2 ways Up to open	16	2 - 120°C	V5822A4000	V5832A4008	1.6	15	180 / 1200
	16	2 - 120°C	V5822A4018	V5832A4016	2.5	20	50 / 400
 3 ways Down to open	16	2 - 120°C	V5823A4009	V5833A4007	1.6	15	150 / 250
	16	2 - 120°C	V5823A4017	V5833A4015	2.5	20	50 / 100
 4 ways Down to open	16	2 - 120°C	V5823C4005	V5833C4003	1.6	15	150 / 250
	16	2 - 120°C	V5823C4013	V5833C4011	2.5	20	50 / 100

Linear valves with a 2.5 mm stroke flat ends



V5832A



V5833A



V5833C



AC-xxFT

Code	Ways	DN	Ends	KV
<a href="#">V5832A4008</a>	2	15	Flat	1.6
<a href="#">V5832A4016</a>	2	20	Flat	2.5
<a href="#">V5833A4007</a>	3	15	Flat	1.6
<a href="#">V5833A4015</a>	3	20	Flat	2.5
<a href="#">V5833C4003</a>	3 with bypass	15	Flat	1.6
<a href="#">V5833C4003X*</a>	3 with bypass (red)	15	Flat	1.6
<a href="#">V5833C4011</a>	3 with bypass	20	Flat	2.5
<b>Accessories</b>				
<a href="#">AC-15FT</a>	Externally threaded fastening kit for valves with DN=15, 3/8" pipes (consists of a union nut, a threaded piece, and a washer)			
<a href="#">AC-20FT</a>	Externally threaded fastening kit for valves with DN=20, 1/2" pipes (consists of a union nut, a threaded piece, and a washer)			

Linear valves with a 2.5 mm stroke conical ends



V5822A



V5823A



V5823C






ACN-xxT



ACN-xxC

Code	Ways	DN	Ends	KV
<a href="#">V5822A4000</a>	2	15	Conical	1.6
<a href="#">V5822A4018</a>	2	20	Conical	2.5
<a href="#">V5823A4009</a>	3	15	Conical	1.6
<a href="#">V5823A4017</a>	3	20	Conical	2.5
<a href="#">V5823C4005</a>	3 with bypass	15	Conical	1.6
<a href="#">V5823C4013</a>	3 with bypass	20	Conical	2.5
<b>Accessories</b>				
<a href="#">ACN-15T</a>	Externally threaded fastening kit for valves with DN=15, 3/8" pipes (consists of a union nut and a threaded piece)			
<a href="#">ACN-20T</a>	Welded fastening kit for valves of DN=20, 1/2" pipes (consists of a union nut and a threaded piece).			
<a href="#">ACN-15C</a>	Compression fastening kit for DN=15 valves, 15 mm pipe size (consists of a union nut and a compression ring).			
<a href="#">ACN-20C</a>	Compression fastening kit for DN=20 valves, 20 mm pipe size (100 units) (consists of a union nut and a compression ring).			

Linear valves and 2.5 mm stroke actuators

Power Supply	Length of Cable (m)	Limit Switch	No Voltage Stroke Position	3 Points	0-10V							
24	2.5	-	Down			MT4-024-NC-2.5M						
24	1	-	Down			MT4-024-NC	M400-AG					
24	2.5	-	Up			MT4-024-NO-2.5M						
24	1	-	Up			MT4-024-NO	M400-AO					
230	2.5	-	Down			MT4-230-NC-2.5M						
230	1	-	Down			MT4-230-NC	M400-BG					
230	2.5	-	Up			MT4-230-NO-2.5M						
230	1	-	Up			MT4-230-NO	M400-BO					
24	1	1	Up				M400-AOE-2.5M					
24	1	1	Down				M400-AGE-2.5M					
230	1	1	Up				M400-BOE-2.5M					
230	1	1	Down				M400-BGE-2.5M					
24	0	-	Down		✓			M4100E1510				
24 Vdc	0	-	Down		✓			M4100K1515				
24	1	-	Down					M4410C4000*				
230	1	-	Down					M4410L4000*				
24	0.9			✓					M7410A1001			
24	3			✓					M7410A1001-3M			
24	5			✓					M7410A1001-5M*			
24	1.5				✓				M7410E5001			
24	3				✓				M7410E5001-3M			
24	5				✓				M7410E5001-5M*			
						Pace (sec)	240	300	210	120	57	59
						F (N)	90	100-140		100	90	
						Rod	Effective 2.5mm/4mm max					
						Flat Ends	↑ Recommended Actuators ↑					
Valve	Application	Reference	A-AB	B-AB	Adjustment AUTO*	DN	Δp clos. (kPa)					
	-	VSOE-215-1.0	1.0	-	--	15	600					
	-	VSOE-215-1.6	1.6	-	--	15	300					
	-	VSOE-215-2.5*	2.5	-	--	15	150					
	-	VSOE-215-2.5S*	2.5	-	•	15	150					
	-	VSOE-220-2.5	2.5	-	--	20	200					
	-	VSOE-220-2.5S	2.5	-	•	20	200					
	-	VSOE-220-4.0	4.0	-	--	20	100					
	-	VSOE-225-4.0P	4.0	-	--	25	200					
	MIX/DIV	VSOE-315-1.6	1.6	1.0	--	15	300 / 200					
	MIX	VSOE-315-2.5	2.5	1.6	--	15	150					
	MIX	VSOE-320-2.5	2.5	1.6	--	20	200					
	MIX	VSOE-320-4.0	4.0	2.5	--	20	100					
	MIX/DIV	VSOE-415-1.0	1.0	0.63	--	15	600 / 200					
	MIX	VSOE-415-2.5	2.5	1.6	--	15	150					
	MIX	VSOE-420-2.5	2.5	1.6	--	20	200					
	MIX	VSOE-420-4.0	4.0	2.5	--	20	100					

Linear valves with 2.5 mm stroke and flat ends



VSOE-2xx



VSOE-3xx



VSOE-4xx



AC-xxFT






AC-25T

Code	Ways	DN	Ends	KV
<a href="#">VSOE-215-1.0</a>	2	15	Flat	1.0
<a href="#">VSOE-215-1.6</a>	2	15	Flat	1.6
<a href="#">VSOE-215-2.5*</a>	2	15	Flat	2.5
<a href="#">VSOE-220-2.5</a>	2	20	Flat	2.5
<a href="#">VSOE-220-2.5S</a>	2	20	Flat	2.5
<a href="#">VSOE-220-4.0</a>	2	20	Flat	4.0
<a href="#">VSOE-225-4.0P</a>	2	20	Flat	4.0
<a href="#">VSOE-225-5.5P</a>	2	20	Flat	5.5
<a href="#">VSOE-315-1.6</a>	3	15	Flat	1.6
<a href="#">VSOE-315-2.5</a>	3	15	Flat	2.5
<a href="#">VSOE-320-2.5</a>	3	20	Flat	2.5
<a href="#">VSOE-320-4.0</a>	3	20	Flat	4.0
<a href="#">VSOE-325-4.0P</a>	3	25	Flat	4
<a href="#">VSOE-325-5.5P</a>	3	25	Flat	5.5
<a href="#">VSOE-415-1.0</a>	3 with bypass	15	Flat	1.0
<a href="#">VSOE-415-2.5</a>	3 with bypass	15	Flat	2.5
<a href="#">VSOE-420-2.5</a>	3 with bypass	20	Flat	2.5
<a href="#">VSOE-420-4.0</a>	3 with bypass	20	Flat	4
<a href="#">VSOE-425-4.0P</a>	3 with bypass	25	Flat	4
<b>Accessories</b>				
<a href="#">AC-15FT</a>	Externally threaded fastening kit for DN=15 valves, 3/8" pipes (consists of a union nut, a threaded piece, and a washer)			
<a href="#">AC-20FT</a>	Threaded fastening kit for DN=20 valves, 1/2" pipes (consists of a union nut, a threaded piece, and a washer)			
<a href="#">ACS-25T</a>	Welded fastening kit for DN=25 valves, 1" pipes (consists of a union nut, a threaded piece, and a washer)			

Linear valves and 6.5 mm stroke actuators



Power Supply	Length of the Cable	Thermal (Spring Position)	Points	Proportional	Manual	End switch			
24	2.5	Down					MT8-024-NC-2.5M	M800-AG-2.5M	
24	1	Down					MT8-024-NC	M800-AG	
24	2.5	Up					MT8-024-NO-2.5M	M800-AO-2.5M	
24	1	Up					MT8-024-NO	M800-AO	
24	1	Down					MT8-024S-NC		
24	1	Up					MT8-024S-NO		
24	1	Up						M800-AOE-2.5M	
24	1	Down						M800-AGE-2.5M	
230	2.5	Down					MT8-230-NC-2.5M	M800-BG-2.5M	
230	1	Down					MT8-230-NC	M800-BG	
230	2.5	Up					MT8-230-NO-2.5M	M800-BO-2.5M	
230	1	Up					MT8-230-NO	M800-BO	
230	1	Down					MT8-230S-NC		
230	1	Up					MT8-230S-NO		
230	1	Up						M800-BOE-2.5M	
230	1	Down						M800-BGE-2.5M	
24 Vac/ dc	1.5	Up							
24	1.5		✓						M7410C1007
24	1.5		✓						M7410C1007-3M
24	5		✓						M7410C1007-5M
24	10		✓						M7410C1007-10M
24	1.5		✓						M6410A1029
24	0		✓						M6435A1004
24	1.5		✓		✓				M6410C2023
24	1.5			✓	✓				M7410E2026
230	1.5		✓		✓				M6410L2023
24	1.5		✓		✓	2			M6410C4029
230	1.5		✓		✓	2			M6410L4029
24	1.5			✓					M7410E1002
24	10			✓					M7410E1002-10M
24	1.5								M7410F1000
24	1.5			✓	✓	2			M7410E4022

Valve	PN	Range of Temp	Rod 6,5MM		KVS	DN	Actuator					
			Conical Ends	Flat Ends			Pace (s)	F (N)	Rod mm	Stroke		
 2 ways Up to open	16	2 to 120°C	V5822A1006	V5832A1004	0.16	15			360	90	8	6.5
	16	2 to 120°C	V5822A1014	V5832A1012	0.25	15			300	100-140	8	6.5
	16	2 to 120°C	V5822A1022	V5832A1020	0.4	15			210	100-140	8	6.5
	16	2 to 120°C	V5822A1030	V5832A1038	0.6	15			150	100-140	8	6.5
	16	2 to 120°C	V5822A1048	V5832A1046	1	15			100	100-140	8	6.5
	16	2 to 120°C	V5822A1055	V5832A1053	1.6	15			75	100-140	8	6.5
	16	2 to 120°C	V5822A1063	V5832A1061	2.5	20			60	100-140	8	6.5
	16	2 to 120°C	V5822A1071	V5832A1079	4	20			45	100-140	8	6.5
 3 ways Down to open	16	2 to 120°C	V5823A2003	V5833A1003	0.25	15			360	90	8	6.5
	16	2 to 120°C	V5823A2011	V5833A1011	0.4	15			300	100-140	8	6.5
	16	2 to 120°C	V5823A2029	V5833A1029	0.6	15			210	100-140	8	6.5
	16	2 to 120°C	V5823A2037	V5833A1037	1	15			150	100-140	8	6.5
	16	2 to 120°C	V5823A2045	V5833A1045	1.6	15			100	100-140	8	6.5
	16	2 to 120°C	V5823A2151	V5833A3009	2.5	20			75	100-140	8	6.5
	16	2 to 120°C	V5823A2052	V5833A1052	2.5	20			60	100-140	8	6.5
	16	2 to 120°C	V5823A2060	V5833A1060	4	20			45	100-140	8	6.5
 4 ways Down to open	16	2 to 120°C	V5823C2009		0.25	15			360	90	8	6.5
	16	2 to 120°C	V5823C2017	V5833C1009	0.4	15			300	100-140	8	6.5
	16	2 to 120°C	V5823C2025	V5833C1017	0.6	15			210	100-140	8	6.5
	16	2 to 120°C	V5823C2033	V5833C1025	1	15			150	100-140	8	6.5
	16	2 to 120°C	V5823C2041	V5833C1033	1.6	15			100	100-140	8	6.5
	16	2 to 120°C	V5823C2157	V5833C1140	2.5	20			75	100-140	8	6.5
	16	2 to 120°C	V5823C2058	V5833C1041	2.5	20			60	100-140	8	6.5
	16	2 to 120°C	V5823C2066	V5833C1058	4	20			45	100-140	8	6.5
16	2 to 120°C	V5823C2165	V5833C1152	4	20			30	100-140	8	6.5	

Linear valves with 6.5 mm stroke and flat ends



V5832A



V5833A



V5833C



AC-xxFT

Code	Ways	DN	Ends	KV
<a href="#">V5832A1004</a>	2	15	Flat	0.16
<a href="#">V5832A1012</a>	2	15	Flat	0.25
<a href="#">V5832A1020</a>	2	15	Flat	0.4
<a href="#">V5832A1038</a>	2	15	Flat	0.6
<a href="#">V5832A1046</a>	2	15	Flat	1
<a href="#">V5832A1053</a>	2	15	Flat	1.6
<a href="#">V5832A1061</a>	2	20	Flat	2.5
<a href="#">V5832A1079</a>	2	20	Flat	4
<a href="#">V5833A1003</a>	3	15	Flat	0.25
<a href="#">V5833A1011</a>	3	15	Flat	0.4
<a href="#">V5833A1029</a>	3	15	Flat	0.6
<a href="#">V5833A1037</a>	3	15	Flat	1
<a href="#">V5833A1045</a>	3	15	Flat	1.6
<a href="#">V5833A3009</a>	3	20	Flat	2.5
<a href="#">V5833A1052</a>	3	20	Flat	2.5
<a href="#">V5833A1060</a>	3	20	Flat	4
<a href="#">V5833A3017</a>	3	20	Flat	4
<a href="#">V5833C1009</a>	3 with bypass	15	Flat	0.4
<a href="#">V5833C1017</a>	3 with bypass	15	Flat	0.6
<a href="#">V5833C1025</a>	3 with bypass	15	Flat	1
<a href="#">V5833C1033</a>	3 with bypass	15	Flat	1.6
<a href="#">V5833C1140</a>	3 with bypass	20	Flat	2.5
<a href="#">V5833C1041</a>	3 with bypass	20	Flat	2.5
<a href="#">V5833C1058</a>	3 with bypass	20	Flat	4
<a href="#">V5833C1152</a>	3 with bypass	20	Flat	4
<b>Accessories</b>				
<a href="#">AC-15FT</a>	Externally threaded fastening kit for DN=15 valves, 3/8" pipes (consists of a union nut, a threaded piece, and a washer)			
<a href="#">AC-20FT</a>	Threaded fastening kit for DN=20 valves, 1/2" pipes (consists of a union nut, a threaded piece, and a washer)			

Linear valves with 6.5 mm stroke and conical ends



V5822A



V5823A



V5823C






VACC/xxCF



ACN-xxT

Code	Ways	DN	Ends	KV
<a href="#">V5822A1006</a>	2	15	Conical	0.16
<a href="#">V5822A1014</a>	2	15	Conical	0.25
<a href="#">V5822A1022</a>	2	15	Conical	0.4
<a href="#">V5822A1030</a>	2	15	Conical	0.6
<a href="#">V5822A1048</a>	2	15	Conical	1
<a href="#">V5822A1055</a>	2	15	Conical	1.6
<a href="#">V5822A1063</a>	2	20	Conical	2.5
<a href="#">V5822A1071</a>	2	20	Conical	4
<a href="#">V5823A2003</a>	3	15	Conical	0.25
<a href="#">V5823A2011</a>	3	15	Conical	0.4
<a href="#">V5823A2029</a>	3	15	Conical	0.6
<a href="#">V5823A2037</a>	3	15	Conical	1
<a href="#">V5823A2045</a>	3	15	Conical	1.6
<a href="#">V5823A2151</a>	3	20	Conical	2.5
<a href="#">V5823A2052</a>	3	20	Conical	2.5
<a href="#">V5823A2060</a>	3	20	Conical	4
<a href="#">V5823A2169</a>	3	20	Conical	4
<a href="#">V5823C2009</a>	3 with bypass	15	Conical	0.25
<a href="#">V5823C2017</a>	3 with bypass	15	Conical	0.4
<a href="#">V5823C2025</a>	3 with bypass	15	Conical	0.6
<a href="#">V5823C2033</a>	3 with bypass	15	Conical	1
<a href="#">V5823C2041</a>	3 with bypass	15	Conical	1.6
<a href="#">V5823C2157</a>	3 with bypass	20	Conical	2.5
<a href="#">V5823C2058</a>	3 with bypass	20	Conical	2.5
<a href="#">V5823C2066</a>	3 with bypass	20	Conical	4
<a href="#">V5823C2165</a>	3 with bypass	20	Conical	4
<b>Accessories</b>				
<a href="#">ACN-15T</a>	Externally threaded fastening kit for DN=15 valves, 3/8" pipes (consists of a union nut and a threaded piece)			
<a href="#">ACN-20T</a>	Welded fastening kit for DN=20 valves, 1/2" pipes (consists of a union nut and a threaded piece)			
<a href="#">ACN-15C</a>	Kit for the compression fastening of DN=15 valves, pipe size of 15 mm (consists of a union nut and a compression ring)			
<a href="#">ACN-20C</a>	Kit for the compression fastening of DN=20 valves, pipe size of 20 mm (100 units) (consists of a union nut and a compression ring)			

Linear valves 6.5mm stroke

Power Supply	Length of the Cable (m)	Thermal (Spring Position)	Points	Proportional	Manual	End Switches					
24	2.5	Down					MT8-024-NC-2.5M	M800-AG-2.5M			
24	1	Down					MT8-024-NC	M800-AG			
24	2.5	Up					MT8-024-NO-2.5M	M800-AO-2.5M			
24	1	Up					MT8-024-NO	M800-AO			
24	1	Down					MT8-024S-NC				
24	1	Up					MT8-024S-NO				
24	1	Up						M800-AOE-2.5M			
24	1	Down						M800-AGE-2.5M			
230	2.5	Down					MT8-230-NC-2.5M	M800-BG-2.5M			
230	1	Down					MT8-230-NC	M800-BG			
230	2.5	Up					MT8-230-NO-2.5M	M800-BO-2.5M			
230	1	Up					MT8-230-NO	M800-BO			
230	1	Down					MT8-230S-NC				
230	1	Up					MT8-230S-NO				
230	1	Up						M800-BOE-2.5M			
230	1	Down						M800-BGE-2.5M			
24 Vac / dc	1.5	Up									
24	1.5		✓						M7410C1007		
24	1.5		✓						M7410C1007-3M		
24	5		✓						M7410C1007-5M		
24	10		✓						M7410C1007-10M		
24	1.5		✓						M6410A1029		
24	0		✓						M6435A1004		
24	1.5		✓		✓				M6410C2023		
24	1.5			✓	✓				M7410E2026		
230	1.5		✓		✓				M6410L2023		
24	1.5		✓		✓	2			M6410C4029		
230	1.5		✓		✓	2			M6410L4029		
24	1.5			✓					M7410E1002		
24	10			✓					M7410E1002-10M		
24	1.5			✓					M7410F1000		
24	1.5			✓	✓	2			M7410E4022		
							Pace (s)	360	300	210	150
							F (N)	90	100-140	100-140	180
							Stroke mm	8	8	8	6.5
							Stroke 6,5mm				
							Flat Ends	↑ Recommended Actuators ↑			
Valves	PN	Range of Temp	Reference	KVS	DN	Δp clos. (kPa)					
 <p>2 ways Down to Open</p>	16	1 to 120°C	VSMF-215-0.16	0.16	15	600	600	600	600	600	
	16	2 to 120°C	VSMF-215-0.25	0.25	15	600	600	600	600	600	
	16	2 to 120°C	VSMF-215-0.4	0.4	15	600	600	600	600	600	
	16	2 to 120°C	VSMF-215-0.63	0.6	15	600	600	600	600	600	
	16	2 to 120°C	VSMF-215-1.0	1	15	600	600	600	600	600	
	16	2 to 120°C	VSMF-215-1.6	1.6	15	300	300	300	300	300	
	16	2 to 120°C	VSMF-215-2.5	2.5	15	100	100	100	100	100	
	16	2 to 120°C	VSMF-220-2.5	2.5	20	150	150	150	150	150	
	16	2 to 120°C	VSMF-220-2.5	4	20	50	50	50	50	50	
	16	2 to 120°C	VSMF-225-6.3P	6.3	25	250	250	250	250	250	
	16	2 to 120°C	VSMF-225-8.0P	8	25	250	250	250	250	250	
	 <p>3 ways Down to Open</p>	16	2 to 120°C	VSMF-315-0.25	0.25	15	600	600	600	600	600
16		2 to 120°C	VSMF-315-0.4	0.4	15	600	600	600	600	600	
16		2 to 120°C	VSMF-315-0.63	0.6	15	600	600	600	600	600	
16		2 to 120°C	VSMF-315-1.0	1	15	600	600	600	600	600	
16		2 to 120°C	VSMF-315-1.6	1.6	15	300	300	300	300	300	
16		2 to 120°C	VSMF-315-2.5	2.5	15	100	100	100	100	100	
16		2 to 120°C	VSMF-320-2.5	2.5	20	150	150	150	150	150	
16		2 to 120°C	VSMF-320-4.0	4	20	50	50	50	50	50	
16		2 to 120°C	VSMF-325-6.3P	6.3	25	250	250	250	250	250	
16		2 to 120°C	VSMF-325-8.0P	8	25	250	250	250	250	250	
 <p>4 ways Down to Open</p>	16	2 to 120°C	VSMF-415-0.63	0.6	15	600	600	600	600	600	
	16	2 to 120°C	VSMF-415-1.0	1	15	600	600	600	600	600	
	16	2 to 120°C	VSMF-415-1.6	1.6	15	300	300	300	300	300	
	16	2 to 120°C	VSMF-420-2.5	2.5	20	150	150	150	150	150	
	16	2 to 120°C	VSMF-425-8.0P	8	25	250	250	250	250	250	

Linear valves 6.5mm stroke flat ends



VSMF-2xx



VSMF-3xx



VSMF-4xx



AC-xxFT



AC-25T

Code	Ways	DN	Ends	KV
<a href="#">VSMF-215-0.16</a>	2	15	Flat	0.16
<a href="#">VSMF-215-0.25</a>	2	15	Flat	0.25
<a href="#">VSMF-215-0.4</a>	2	15	Flat	0.4
<a href="#">VSMF-215-0.63</a>	2	15	Flat	0.6
<a href="#">VSMF-215-1.0</a>	2	15	Flat	1
<a href="#">VSMF-215-1.6</a>	2	15	Flat	1.6
<a href="#">VSMF-215-2.5</a>	2	15	Flat	2.5
<a href="#">VSMF-220-2.5</a>	2	20	Flat	2.5
<a href="#">VSMF-220-4.0</a>	2	20	Flat	4
<a href="#">VSMF-225-6.3P</a>	2	25	Flat	6.3
<a href="#">VSMF-225-8.0P</a>	2	25	Flat	8.0
<a href="#">VSMF-315-0.25</a>	3	15	Flat	0.25
<a href="#">VSMF-315-0.4</a>	3	15	Flat	0.4
<a href="#">VSMF-315-0.63</a>	3	15	Flat	0.6
<a href="#">VSMF-315-1.0</a>	3	15	Flat	1
<a href="#">VSMF-315-1.6</a>	3	15	Flat	1.6
<a href="#">VSMF-315-2.5</a>	3	15	Flat	2.5
<a href="#">VSMF-320-2.5</a>	3	20	Flat	2.5
<a href="#">VSMF-320-4.0</a>	3	20	Flat	4
<a href="#">VSMF-325-6.3P</a>	3	25	Flat	6.3
<a href="#">VSMF-325-8.0P</a>	3	25	Flat	8.0
<a href="#">VSMF-415-0.63</a>	3 with bypass	15	Flat	0.6
<a href="#">VSMF-415-1.0</a>	3 with bypass	15	Flat	1
<a href="#">VSMF-415-1.6</a>	3 with bypass	15	Flat	1.6
<a href="#">VSMF-420-2.5</a>	3 with bypass	20	Flat	2.5
<a href="#">VSMF-425-8.0P</a>	3 with bypass	25	Flat	8

Accessories

[AC-15FT](#)

Externally threaded attachment kit for DN=15 valves, 3/8" pipes (consists of a union nut, a threaded piece, and a washer)

[AC-20FT](#)

Threaded attachment kit for DN=20 valves, 1/2" pipes (consists of a union nut, a threaded piece, and a washer)

[AC-25T](#)

Kit de fijación soldada para válvulas de DN=25, tuberías de 1" (consiste en una tuerca de unión, una pieza roscada y una arandela)

Linear valves 6.5mm stroke internal thread



V5078B

Code	Ways	DN	Ends	KV
<a href="#">V5078A1015</a>	3	20	Internal thread	3.3
<a href="#">V5078A1023</a>	3	25	Internal thread	5.0

Linear valves 6.5mm stroke

Code	Ways	DN	Ends	KV
<a href="#">V5852A2049</a>	2	15	Welding (female)	1
<a href="#">V5862A2054</a>	2	15	Internal thread	1.6
<a href="#">V5863A2020</a>	3	15	Internal thread	0.64



V5852A2049

V5862A2054



V5863A2

Linear valves 6.5mm stroke PN25



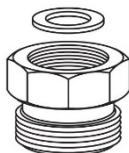
Code	Ways	DN	Ends	KV
<a href="#">V5825B1001</a>	0.25	15	Flat	0.25
<a href="#">V5825B1019</a>	0.4	15	Flat	0.4
<a href="#">V5825B1027</a>	0.6	15	Flat	0.6
<a href="#">V5825B1035</a>	1	15	Flat	1
<a href="#">V5825B1043</a>	1.6	15	Flat	1.6
<a href="#">V5825B1050</a>	2.5	20	Flat	2.5
<a href="#">V5825B1068</a>	4	20	Flat	4
<a href="#">V5825B1076</a>	6.3	25	Flat	6.3
<a href="#">V5825B1084</a>	10	32	Flat	10



ACS-xxW



ACS-xxT



AKxx-xx

Accessories



<a href="#">ACS-15T</a>	External thread fitting for valves DN15, pipe size R1/2"
<a href="#">ACS-20T</a>	Externally threaded fitting kit for valves DN=20, pipe size R3/4"
<a href="#">ACS-25T</a>	Externally threaded fitting for valves DN25, pipe size R1, with flat gasket.
<a href="#">ACS-32T</a>	Externally threaded fitting kit for valves DN=32, pipe size R1 1/4".
<a href="#">AK15-15</a>	Adapter for installations where the valves V5872B, DN15 to DN15, are installed.
<a href="#">AK20-15</a>	Adapter for installations where the valves V5872B, DN20 to DN15, are installed.
<a href="#">AK20-25</a>	Adapter for installations where the valves V5872B, DN20 to DN20, are installed.
<a href="#">AK25-25</a>	Adapter for installations where the valves V5872B, DN25 to DN25, are installed.

Linear valves 6.5mm stroke



Power Supply	Length of Cable (m)	Security Function	3 Points	Proportional	Manual	End Switches		
24	1.5		✓				M7410C1015	
24	1.5		✓		✓		M6410C2031	
24	1.5			✓	✓		M7410E2034	
24	1.5		✓		✓	2	ML6410C4037	
230	1.5		✓		✓		M6410L2031	
230	1.5		✓		✓	2	M6410L4037	
24	1.5			✓			M7410E1028	
24	1.5			✓	✓	2	M7410E4030	
24	N.A			✓	✓			ML7430E1005
24	N.A	✓		✓				ML7435E1004
24	N.A	✓	✓					ML6435B1008
230	N.A	✓	✓					ML6435B1016

Pace (s.)	150	15	60
F (N)	300	400	
Stroke	6.5 mm		

Valves	PN	Range Temp	Stroke 6,5mm			↑ Recommended Actuators ↑	
			Reference	KVs	DN	Δp clos. (kPa)	
<b>2 ways Down to Open</b> 	16	2 to 130°C	V5832B2075	4	25	1600	
	16	2 to 130°C	V5832B2083	6.3	25	1600	
	16	2 to 130°C	V5832B2091	10	25	1600	
	16	2 to 130°C	V5832B2109	16	32	1200	
	16	2 to 130°C	V5832B2117	25	40	1000	
<b>3 ways Down to Open</b> 	16	2 to 130°C	V5833A2076	4	25	600	
	16	2 to 130°C	V5833A2084	6.3	25	600	
	16	2 to 130°C	V5833A2092	10	25	600	
	16	2 to 130°C	V5833A2100	16	32	300	
	16	2 to 130°C	V5833A2118	25	40	300	

Valves lineales 6,5mm de carrera



V5832B



V5833A



AC-xxT



AC-xxTF

Code	Ways	DN	Ends	KV
<a href="#">V5832B2075</a>	2	25	External thread	4
<a href="#">V5832B2083</a>	2	25	External thread	6.3
<a href="#">V5832B2091</a>	2	25	External thread	10
<a href="#">V5832B2109</a>	2	32	External thread	16
<a href="#">V5832B2117</a>	2	40	External thread	25
<a href="#">V5833A2076</a>	3	25	External thread	4
<a href="#">V5833A2084</a>	3	25	External thread	6.3
<a href="#">V5833A2092</a>	3	25	External thread	10
<a href="#">V5833A2100</a>	3	32	External thread	16
<a href="#">V5833A2118</a>	3	40	External thread	25

Accessories

<a href="#">AC-25T</a>	Fitting accessory for externally threaded valves DN=25, pipe size 1".
<a href="#">AC-25TF</a>	Fitting accessory for externally threaded valves DN=25, pipe size 1".
<a href="#">AC-32T</a>	Fitting accessory for externally threaded valves DN32, pipe size 1 1/4"
<a href="#">AC-32TF</a>	Fitting accessory for externally threaded valves DN32, pipe size 1 1/4"
<a href="#">AC-40T</a>	Fitting accessory for externally threaded valves DN40, pipe size 1 1/2"
<a href="#">AC-40TF</a>	Fitting accessory for externally threaded valves DN40, pipe size 1 1/2"

Linear valves 20mm stroke

Power Supply	Safety Function	3 Points	Proportional	Manual					
24		✓		✓	ML6420A3007				
24		✓		✓	ML6420A3049				
24			✓		ML7420A6025T				
24			✓		ML7420A6025				
24			✓	✓	ML7420A6009T				
24			✓	✓	ML7420A6009				
24			✓	✓	ML7420A3055				
230		✓		✓	ML6420A3015				
24		✓		✓	ML6420A3072				
24			✓	✓		ML7420A6017			
24			✓	✓		ML7420A3063			
24		✓		✓		ML6420A3023			
230		✓		✓		ML6420A3031			
24	Down		✓	✓		ML7425A3013			
24	Down	✓				ML6425A3006			
24	Down		✓			ML7425A6008T			
24	Down		✓			ML7425A6008			
24	Down		✓			ML7425A6024*			
230	Down	✓				ML6425A3014			
230	Down	✓				ML6425A3055*			
24	Up	✓				ML6425B3005			
24	Up		✓			ML7425B6007T			
24	Up		✓			ML7425B6007			
230	Up					ML6425B3021			
24Vac/dc		✓	0-10V/4-20mA	✓			ML8824A0620		
24		✓		✓				ML6421A3005	
24			✓	✓				ML7421A3004	
230		✓		✓				ML6421A3013	
24		✓		✓					ML6421A1017
24				✓					ML7421A1032
24Vac/dc		✓	0-10V/4-20mA	✓					ML8824A1820

Parts (s)	60	90	90	106	60/80 (selection)	114	95	40/60 (selection)	
FIN	600							1800	
Stroke (mm)	20								

Stroke 20mm

Valves	PN	Range of Temp	Reference		KVS	DN	Recommended Actuators †			
			External Thread	Internal Thread			Ap.clos. (kPa)			
 2 Ways Up to Open	16	2 to 120 °C max. 1600 kPa 120 to 170 °C max. 1490 kPa	V5011E1165	V5011R1000	0.63	15		1600		-
	16		V5011E1171	V5011R1018	1	15		1600		-
	16		V5011E1189	V5011R1026	1.6	15		1600		-
	16		V5011E1197	V5011R1034	2.5	15		1600		-
	16		V5011E1205	V5011R1042	4	15		1600		-
	16		V5011E1213	V5011R1059	6.3	20		1600		-
	16		V5011E1221	V5011R1067	10	25		1000		1600
	16		V5011E1229	V5011R1075	16	32		700		1600
	16		V5011E1237	V5011R1083	25	40		460		1500
	16		V5011E1245	V5011R1091	40	50		260		850
 2 Ways Up to Open (gas/water)	16	2 to 120 °C max. 1600 kPa 120 to 170 °C max. 1490 kPa		V5011S1047	4	15		1600		-
	16			V5011S1054	6.3	20		1600		-
	16			V5011S1062	10	25		1000		1600
	16			V5011S1070	16	32		700		1600
	16			V5011S1088	25	40		460		1500
 3 Ways Down to Open	16	2 to 120 °C max. 1600 kPa 120 to 170 °C max. 1490 kPa	V5013E1063	V5013R1032	2.5	15		1600		-
	16		V5013E1071	V5013R1040	4	15		1600		-
	16		V5013E1089	V5013R1057	6.3	20		1600		-
	16		V5013E1097	V5013R1065	10	25		1000		1600
	16		V5013E1105	V5013R1073	16	32		700		1600
	16		V5013E1113	V5013R1081	25	40		460		1500
	16		V5013E1121	V5013R1099	40	50		250		850

Linear valves 20mm stroke external thread



V5011E



V5013E



AC-xxTF

Code	Ways	DN	Connection	KV
<a href="#">V5011E1165</a>	2	15	External Thread	0.63
<a href="#">V5011E1171</a>	2	15	External Thread	1
<a href="#">V5011E1189</a>	2	15	External Thread	1.6
<a href="#">V5011E1197</a>	2	15	External Thread	2.5
<a href="#">V5011E1205</a>	2	15	External Thread	4
<a href="#">V5011E1213</a>	2	20	External Thread	6.3
<a href="#">V5011E1221</a>	2	25	External Thread	10
<a href="#">V5011E1229</a>	2	32	External Thread	16
<a href="#">V5011E1237</a>	2	40	External Thread	25
<a href="#">V5011E1245</a>	2	50	External Thread	40
<a href="#">V5013E1063</a>	3	15	External Thread	2.5
<a href="#">V5013E1071</a>	3	15	External Thread	4
<a href="#">V5013E1089</a>	3	20	External Thread	6.3
<a href="#">V5013E1097</a>	3	25	External Thread	10
<a href="#">V5013E1105</a>	3	32	External Thread	16
<a href="#">V5013E1113</a>	3	40	External Thread	25
<a href="#">V5013E1121</a>	3	50	External Thread	40
<b>Accessories</b>				
<a href="#">AC-15TF</a>	Fitting accessory for externally threaded valves DN=15, pipe size 1/2".			
<a href="#">AC-20TF</a>	Fitting accessory for externally threaded valves DN=20, pipe size 3/4".			
<a href="#">AC-25TF</a>	Fitting accessory for externally threaded valves DN=25, pipe size 1".			
<a href="#">AC-32TF</a>	Fitting accessory for externally threaded valves DN=32, pipe size 1 1/4".			
<a href="#">AC-40TF</a>	Fitting accessory for externally threaded valves DN=40, pipe size 1 1/2".			
<a href="#">AC-50TF</a>	Fitting accessory for externally threaded valves DN=50, pipe size 2".			

Linear valves 20mm stroke external thread. Stainless steel interior.

Code	Ways	DN	Connection	KV
<a href="#">V5011S1047</a>	2	15	Internal Thread	4
<a href="#">V5011S1054</a>	2	20	Internal Thread	6.3
<a href="#">V5011S1062</a>	2	25	Internal Thread	10
<a href="#">V5011S1070</a>	2	32	Internal Thread	16
<a href="#">V5011S1088</a>	2	40	Internal Thread	25
<a href="#">V5011S1096</a>	2	50	Internal Thread	40
<b>Accessories</b>				
<a href="#">AC-15TF</a>	Fitting accessory for externally threaded valves DN=15, pipe size 1/2".			
<a href="#">AC-20TF</a>	Fitting accessory for externally threaded valves DN=20, pipe size 3/4".			
<a href="#">AC-25TF</a>	Fitting accessory for externally threaded valves DN=25, pipe size 1".			
<a href="#">AC-32TF</a>	Fitting accessory for externally threaded valves DN=32, pipe size 1 1/4".			
<a href="#">AC-40TF</a>	Fitting accessory for externally threaded valves DN=40, pipe size 1 1/2".			
<a href="#">AC-50TF</a>	Fitting accessory for externally threaded valves DN=50, pipe size 2".			



V5011E



AC-xxTF

Linear valves 20mm stroke internal thread



V5011R



V5013R


Code	Ways	DN	Connection	KV
<a href="#">V5011R1000</a>	2	15	Rosca Interna	0.63
<a href="#">V5011R1018</a>	2	15	Rosca Interna	1
<a href="#">V5011R1026</a>	2	15	Rosca Interna	1.6
<a href="#">V5011R1034</a>	2	15	Rosca Interna	2.5
<a href="#">V5011R1042</a>	2	15	Rosca Interna	4
<a href="#">V5011R1059</a>	2	20	Rosca Interna	6.3
<a href="#">V5011R1067</a>	2	25	Rosca Interna	10
<a href="#">V5011R1075</a>	2	32	Rosca Interna	16
<a href="#">V5011R1083</a>	2	40	Rosca Interna	25
<a href="#">V5011R1091</a>	2	50	Rosca Interna	40
<a href="#">V5013R1032</a>	3	15	Rosca Interna	2.5
<a href="#">V5013R1040</a>	3	15	Rosca Interna	4
<a href="#">V5013R1057</a>	3	20	Rosca Interna	6.3
<a href="#">V5013R1065</a>	3	25	Rosca Interna	10
<a href="#">V5013R1073</a>	3	32	Rosca Interna	16
<a href="#">V5013R1081</a>	3	40	Rosca Interna	25
<a href="#">V5013R1099</a>	3	50	Rosca Interna	40

VLinear valves with a 20mm stroke, threaded

Power Supply	FUNCION DE SEGURIDAD	3 Points	Proportional	Manual					
24		✓		✓	ML6420A3007				
24		✓		✓	ML6420A3049				
24			✓		ML7420A6025T				
24			✓		ML7420A6025				
24			✓	✓	ML7420A6009T				
24			✓	✓	ML7420A6009				
24			✓	✓	ML7420A3055				
230		✓		✓	ML6420A3015				
24		✓			ML6420A3072				
24			✓	✓	ML7420A6017				
24			✓	✓	ML7420A3063				
24		✓		✓	ML6420A3023				
230		✓		✓	ML6420A3031				
24	Down		✓	✓		ML7425A3013			
24	Down	✓				ML6425A3006			
24	Down		✓			ML7425A6008T			
24	Down		✓			ML7425A6008			
24	Down		✓			ML7425A6024*			
230	Down	✓				ML6425A3014			
230	Down	✓				ML6425A3055*			
24	Up	✓				ML6425B3005			
24	Up		✓			ML7425B6007T			
24	Up		✓			ML7425B6007			
230	Up					ML6425B3021			
24Vac/dc		✓	0-10V /4-20mA	✓			ML8824A0620		
24		✓		✓				ML6421A3005	
24			✓	✓				ML7421A3004	
230		✓		✓				ML6421A3013	
24		✓		✓					ML6421A1017
24				✓					ML7421A1032
24Vac/dc		✓	0-10V /4-20mA	✓					ML8824A1820

Pace (s)	60	30	90	108	60/80 (selection)	114	95	40/60 (selection)	
FIN	600						1800		
Stroke (mm)	20								

Stroke 20MM

Valve	PN	Range of Temp	Reference	KVS	DN	Recommended Actuators				
						Threaded	Δp clos. (kPa)			
	16	2...120°C; max. 1600 kPa 120...150°C; max. 1400 kPa 150...170°C; max. 1370 kPa	V5328A1146	0.4	15	1600	-			
			V5328A1153	0.63	15	1600	-			
			V5328A1005	1	15	1600	-			
			V5328A1013	1.6	15	1600	-			
			V5328A1021	2.5	15	1000	1600			
			V5328A1039	4	15	1000	1600			
			V5328A1047	4	20	1000	1600			
			V5328A1054	6.3	20	1000	1600			
			V5328A1062	10	25	1000	1600			
			V5328A1070	16	32	600	1600			
			V5328A1088	25	40	350	1300			
			V5328A1096	40	50	200	750			
			V5328A1104	63	65	120	470			
			V5328A1112	100	80	50	230			
				16	2...180°C; max. 1600 kPa	V5016A1010	0.4	15	1600	-
						V5016A1028	0.63	15	1600	-
V5016A1036	1	15				1600	-			
V5016A1044	1.6	15				1600	-			
V5016A1051	2.5	15				1600	-			
V5016A1069	4	15				1600	-			
V5016A1077	6.3	20				1600	-			
V5016A1085	10	25				1600	-			
V5016A1093	16	32				1600	-			
V5016A1101	25	40				1600	-			
	25/40	2...120°C; max. 4000kPa 120...150°C; max. 3920kPa 150...200°C; max. 3800kPa 200...220°C; max. 3720kPa	V5049A2043	0.63	15	1600	-			
			V5049A1425	1	15	1600	-			
			V5049A1433	1.6	15	1600	-			
			V5049A1441	2.5	15	1000	2500			
			V5049A1458	4	15	1000	2500			
			V5049A1508	6.3	20	1000	2500			
			V5049A1565	10	25	1000	2500			
			V5049A1573	16	32	600	2000			
			V5049A1581	25	40	350	1300			
			V5049A1599	40	50	200	750			
V5049A1607	63	65	120	500						

Threaded linear valves with a 20mm stroke, PN16, V5328A



Code	Ways	DN	KV	Connection
<a href="#">V5328A1146</a>	2	15	0.4	Threaded
<a href="#">V5328A1153</a>	2	15	0.63	Threaded
<a href="#">V5328A1005</a>	2	15	1	Threaded
<a href="#">V5328A1013</a>	2	15	1.6	Threaded
<a href="#">V5328A1021</a>	2	15	2.5	Threaded
<a href="#">V5328A1039</a>	2	15	4	Threaded
<a href="#">V5328A1047</a>	2	20	4	Threaded
<a href="#">V5328A1054</a>	2	20	6.3	Threaded
<a href="#">V5328A1062</a>	2	25	10	Threaded
<a href="#">V5328A1070</a>	2	32	16	Threaded
<a href="#">V5328A1088</a>	2	40	25	Threaded
<a href="#">V5328A1096</a>	2	50	40	Threaded
<a href="#">V5328A1104</a>	2	65	63	Threaded
<a href="#">V5328A1112</a>	2	80	100	Threaded

Threaded linear valves with a 20mm stroke, PN16, V5016A



Code	Ways	DN	KV	Connection
<a href="#">V5016A1010</a>	2	15	0.4	Threaded
<a href="#">V5016A1028</a>	2	15	0.63	Threaded
<a href="#">V5016A1036</a>	2	15	1	Threaded
<a href="#">V5016A1044</a>	2	15	1.6	Threaded
<a href="#">V5016A1051</a>	2	15	2.5	Threaded
<a href="#">V5016A1069</a>	2	15	4	Threaded
<a href="#">V5016A1077</a>	2	20	6.3	Threaded
<a href="#">V5016A1085</a>	2	25	10	Threaded
<a href="#">V5016A1093</a>	2	32	16	Threaded
<a href="#">V5016A1101</a>	2	40	25	Threaded
<a href="#">V5016A1119</a>	2	50	40	Threaded
<a href="#">V5016A1127</a>	2	65	63	Threaded
<a href="#">V5016A1135</a>	2	80	100	Threaded

Threaded linear valves with a 20mm stroke, PN25/40, V5049A







Code	Ways	DN	KV	Connection
<a href="#">V5049A2043</a>	2	15	0.63	Threaded
<a href="#">V5049A1425</a>	2	15	1	Threaded
<a href="#">V5049A1433</a>	2	15	1.6	Threaded
<a href="#">V5049A1441</a>	2	15	2.5	Threaded
<a href="#">V5049A1458</a>	2	15	4	Threaded
<a href="#">V5049A1508</a>	2	20	6.3	Threaded
<a href="#">V5049A1565</a>	2	25	10	Threaded
<a href="#">V5049A1573</a>	2	32	16	Threaded
<a href="#">V5049A1581</a>	2	40	25	Threaded
<a href="#">V5049A1599</a>	2	50	40	Threaded
<a href="#">V5049A1607</a>	2	65	63	Threaded

## Threaded linear valves with a 20mm stroke

Power Supply	Security Function	3 Points	Proportional	Manual					
24		✓		✓	ML6420A3007				
24		✓		✓	ML6420A3049				
24			✓		ML7420A6025T				
24			✓		ML7420A6025				
24			✓	✓	ML7420A6009T				
24			✓	✓	ML7420A6009				
24			✓	✓	ML7420A3055				
230		✓		✓	ML6420A3015				
24		✓		✓	ML6420A3072				
24			✓	✓	ML7420A6017				
24			✓	✓	ML7420A3063				
24		✓		✓	ML6420A3023				
230		✓		✓	ML6420A3031				
24	Down		✓	✓		ML7425A3013			
24	Down	✓				ML6425A3006			
24	Down		✓			ML7425A6008T			
24	Down		✓			ML7425A6008			
24	Down		✓			ML7425A6024*			
230	Down	✓				ML6425A3014			
230	Down	✓				ML6425A3055*			
24	Up	✓				ML6425B3005			
24	Up		✓			ML7425B6007T			
24	Up		✓			ML7425B6007			
230	Up					ML6425B3021			
24Vac/dc		✓	0-10V/4-20mA	✓			MLR824A0620		
24		✓		✓				ML6421A3005	
24			✓	✓				ML7421A3004	
230		✓		✓				ML6421A3013	
24		✓		✓				ML6421A1017	
24				✓				ML7421A1032	
24Vac/dc		✓	0-10V/4-20mA	✓					ML8824A1820

PN	60	30	90	108	60/80 (selection)	114	95	40/60 (selection)
Stroke (mm)	20							
Stroke (mm)	20							
PN	600							
PN	1800							

Valve	PN	Range of Temp	Reference	KVS	DN	Recommended Actuators										
						Ap dos. (kPa)										
	25	2...120°C (max. 2500 kPa) 120...160°C (max. 2250 kPa) 160...200°C (max. 2000 kPa)	V5025A1027	0.63	15					2500			-			
			V5025A1035	1	15					2500			-			
			V5025A1043	1.6	15					2500			-			
			V5025A1050	2.5	15					2500			-			
			V5025A1068	4	15					2500			-			
			V5025A1076	6.3	20					2500			-			
			V5025A1084	10	25					2500			-			
			V5025A1092	16	32					2500			-			
			V5025A1100	25	40					2500			-			
			V5025A1118	40	50					2500			-			
			V5025A1126	63	65					2500			-			
			V5025A1134	100	80					2500			-			
	16	2...120°C; 1600 kPa 120...150°C; 1440 kPa 150...170°C; 1370 kPa	V5329A1004	2.5	15					1000			-			
			V5329A1012	4	15					1000			-			
			V5329A1020	6.3	20					1000			-			
			V5329A1038	10	25					1000			-			
			V5329A1046	16	32					790			1000			
			V5329A1053	25	40					480			1000			
			V5329A1061	40	50					260			1000			
			V5329A1079	63	65					160			650			
			V5329A1087	100	80					100			400			
			V5329C1000	2.5	15					600			-			
			V5329C1018	4	15					600			-			
			V5329C1026	6.3	20					600			-			
	6	2...120°C; 600 kPa 120...150°C; 540 kPa 150...170°C; 510 kPa	V5329C1034	10	25					600			-			
			V5329C1042	16	32					600			-			
			V5329C1059	25	40					480			600			
			V5329C1067	40	50					260			600			
			V5329C1075	63	65					160			600			
			V5329C1083	100	80					100			400			
				25/40	2...120°C; max. 4000 kPa 120...150°C; max. 3920 kPa 150...200°C; max. 3800 kPa 200...220°C; max. 3720 kPa	V5050A1124	2.5	15					1000			2500
						V5050A1132	4	15					1000			2500
						V5050A1140	6.3	20					1000			2500
						V5050A1157	10	25					1000			2500
						V5050A1165	16	32					600			2000
						V5050A1173	25	40					350			1300
V5050A1181	40	50								200			750			
V5050A1199	63	65								120			500			
V5050A1207	100	80								50			230			

Threaded linear valves with a 20mm stroke, PN25, V5025A



Code	Ways	DN	KV	Connection
<a href="#">V5025A1027</a>	2	15	0.63	Threaded
<a href="#">V5025A1035</a>	2	15	1	Threaded
<a href="#">V5025A1043</a>	2	15	1.6	Threaded
<a href="#">V5025A1050</a>	2	15	2.5	Threaded
<a href="#">V5025A1068</a>	2	15	4	Threaded
<a href="#">V5025A1076</a>	2	20	6.3	Threaded
<a href="#">V5025A1084</a>	2	25	10	Threaded
<a href="#">V5025A1092</a>	2	32	16	Threaded
<a href="#">V5025A1100</a>	2	40	25	Threaded
<a href="#">V5025A1118</a>	2	50	40	Threaded
<a href="#">V5025A1126</a>	2	65	63	Threaded
<a href="#">V5025A1134</a>	2	80	100	Threaded

Threaded linear valves with a 20mm stroke, PN25, V5050A



Code	Ways	DN	KV	Connection
<a href="#">V5050A1124</a>	3	15	2.5	Threaded
<a href="#">V5050A1132</a>	3	15	4	Threaded
<a href="#">V5050A1140</a>	3	20	6.3	Threaded
<a href="#">V5050A1157</a>	3	25	10	Threaded
<a href="#">V5050A1165</a>	3	32	16	Threaded
<a href="#">V5050A1173</a>	3	40	25	Threaded
<a href="#">V5050A1181</a>	3	50	40	Threaded
<a href="#">V5050A1199</a>	3	65	63	Threaded
<a href="#">V5050A1207</a>	3	80	100	Threaded

Threaded linear valves with a 20mm stroke, PN16, V5329A



Code	Ways	DN	KV	Connection
<a href="#">V5329A1004</a>	3	15	2.5	Threaded
<a href="#">V5329A1012</a>	3	15	4	Threaded
<a href="#">V5329A1020</a>	3	20	6.3	Threaded
<a href="#">V5329A1038</a>	3	25	10	Threaded
<a href="#">V5329A1046</a>	3	32	16	Threaded
<a href="#">V5329A1053</a>	3	40	25	Threaded
<a href="#">V5329A1061</a>	3	50	40	Threaded
<a href="#">V5329A1079</a>	3	65	63	Threaded
<a href="#">V5329A1087</a>	3	80	100	Threaded

Threaded linear valves with a 20mm stroke, PN6, V5329As









Code	Ways	DN	KV	Connection
<a href="#">V5329C1000</a>	3	15	2.5	Threaded
<a href="#">V5329C1018</a>	3	15	4	Threaded
<a href="#">V5329C1026</a>	3	20	6.3	Threaded
<a href="#">V5329C1034</a>	3	25	10	Threaded
<a href="#">V5329C1042</a>	3	32	16	Threaded
<a href="#">V5329C1059</a>	3	40	25	Threaded
<a href="#">V5329C1067</a>	3	50	40	Threaded
<a href="#">V5329C1075</a>	3	65	63	Threaded
<a href="#">V5329C1083</a>	3	80	100	Threaded

Threaded linear valves with a 38mm stroke



Power Supply	3 Points	Proportional	Manual		
24 Vac/dc	✓	✓	✓	ML8824A1840	
24		✓	✓		ML7421B3003
24	✓		✓		ML6421B3004
230	✓		✓		ML6421B3012
24		✓			ML7421B1023
				Pace (seg.)	80/120 select    210 (seg.)    175 (seg.)
				F(N)	1800
				Stroke (mm)	38

Valve	PN	Range of Temp	Stroke 38mm			↑ Recommended Actuators ↑
			Reference	KVS	DN	
 2 Ways Up to Open	16	2...120 °C; max. 1600 kPa 120...150 °C; max. 1440kPa 150...200 °C; max. 1280kPa	V5328A1195	160	100	230
	16		V5328A1203	250	125	90
	16		V5328A1211	360	150	90
 2 Ways Up to Open	16	2...120 °C; max. 1600 kPa 120...150 °C; max. 1440kPa 150...200 °C; max. 1280kPa	V5016A1143	160	100	1600
	16		V5016A1150	520	125	1600
	16		V5016A1168	360	150	1600
 2 Ways Up to Open	25	2...120 °C (max. 2500 kPa) 120...160 °C(max.2250 kPa) 160...200 °C(max.2000 kPa)	V5025A1142	160	100	2500
	25		V5025A1159	250	125	2500
 3 Ways Down to Open	6	2 ... 120 °C; max. 600 kPa	V5015A1151	140	100	150
	6		V5015A1169	220	125	120
	6		V5015A1177	310	150	80
 3 Ways Down to Open	16	2 ... 120 °C; max.1600 kPa 120...150 °C; max.1440kPa 150 ...200°C; max.1280kPa 200 ...220 °C; max.1200kPa	V5050A1090	160	100	230
	16		V5050A1108	250	125	90
	16		V5050A1116	360	150	90
 3 Ways Up to Open	16	2 ... 120 °C; max.1600 kPa 120...150 °C; max.1440kPa 150 ...200°C; max.1280kPa 200 ...220 °C; max.1200kPa	V5050B1064	160	100	230
	16		V5050B1072	250	125	90
	16		V5050B1080	360	150	90

Linear valves 38mm stroke threaded  
PN16, V5016A



Code	Ways	DN	KV	Connection
<a href="#">V5016A1143</a>	2	100	160	Threaded
<a href="#">V5016A1150</a>	2	125	250	Threaded
<a href="#">V5016A1168</a>	2	150	360	Threaded

Linear valves 38mm stroke threaded  
PN16, V5328A



Code	Ways	DN	KV	Connection
<a href="#">V5328A1195</a>	2	100	160	Threaded
<a href="#">V5328A1203</a>	2	125	250	Threaded
<a href="#">V5328A1211</a>	2	150	360	Threaded

Linear valves 38mm stroke threaded  
PN25, V5025A



Code	Ways	DN	KV	Connection
<a href="#">V5025A1142</a>	2	100	160	Threaded
<a href="#">V5025A1159</a>	2	125	250	Threaded

Linear valves 38mm stroke threaded  
PN25, V5050A



Code	Ways	DN	KV	Connection
<a href="#">V5050A1215</a>	3	100	160	Threaded

Linear valves 38mm stroke threaded  
PN6, V5015A



Code	Ways	DN	KV	Connection
<a href="#">V5015A1151</a>	3	100	140	Threaded
<a href="#">V5015A1169</a>	3	125	220	Threaded
<a href="#">V5015A1177</a>	3	150	310	Threaded

Linear valves 38mm stroke threaded  
PN16, V5025A



Code	Ways	DN	KV	Connection
<a href="#">V5050A1090</a>	3	100	160	Threaded
<a href="#">V5050A1108</a>	3	125	250	Threaded
<a href="#">V5050A1116</a>	3	150	360	Threaded
<a href="#">V5050B1064*</a>	3	100	160	Threaded
<a href="#">V5050B1072*</a>	3	125	250	Threaded
<a href="#">V5050B1080*</a>	3	150	360	Threaded

\*Reverse action valve

Rotary valves



Power Supply	3 Points	Proportional	Manual				
24	✓		✓	M6061A1013			
230	✓		✓	M6061L1019			
24		✓	✓	M7061E1012			
24	✓		✓		M6061A1021		
230	✓		✓		M6061L1027		
24		✓	✓			M7061E1020	
24	✓		✓				M6061A1039
230	✓		✓				M6061L1035
24	✓		✓				M6061A1047
24	✓		✓				M6061L1043

Pace (s)	90	96	180	138	210
F (N)	10	20	30	40	
Angle	90°				

Angle 90°	
Internal Thread	Threaded

↑ Recommended Actuators ↑

Valve	PN	Range of Temp	Reference	KVS	DN	Δp clos. (kPa)				
	6	2-130°C	V5431A1025	4,0	15	100				
	6		V5431A1033	6,3	20	100				
	6		V5431A1041	10	25	100				
	6		V5431A1058	16	32	100				
	6		V5431A1066	25	40	40	100			
	6	2-130°C	V5431F1032	6,3	20	100				
	6		V5431F1040	10	25	100				
	6		V5431F1057	16	32	100				
	6		V5431F1065	25	40	40	100			
	6		V5431F1073	40	50		100			
	6		V5431F1081	63	65		100			
	6		V5431F1099	100	80		40	100		
	6		V5431F1107	160	100			40	100	
	6		V5431F1115	250	125			40	70	
6	V5431F1123	630	150					50		

## Rotary valves internally threaded V5431A

Code	Ways	DN	Connection	KV
<a href="#">V5431A1025</a>	3	15	Internal thread	4
<a href="#">V5431A1033</a>	3	20	Internal thread	6,3
<a href="#">V5431A1041</a>	3	25	Internal thread	10
<a href="#">V5431A1058</a>	3	32	Internal thread	16
<a href="#">V5431A1066</a>	3	40	Internal thread	25



## Rotary valves threaded V5431F



Code	Ways	DN	Connection	KV
<a href="#">V5431F1032</a>	3	20	Threaded	6,3
<a href="#">V5431F1040</a>	3	25	Threaded	10
<a href="#">V5431F1057</a>	3	32	Threaded	16
<a href="#">V5431F1065</a>	3	40	Threaded	25
<a href="#">V5431F1073</a>	3	50	Threaded	40
<a href="#">V5431F1081</a>	3	65	Threaded	63
<a href="#">V5431F1099</a>	3	80	Threaded	100
<a href="#">V5431F1107</a>	3	100	Threaded	160
<a href="#">V5431F1115</a>	3	125	Threaded	250
<a href="#">V5431F1123</a>	3	150	Threaded	630

Ball valves DN15-DN32



Power Supply	Cable	Return by spring	Proportional	Points	End Switches	Manual			
24	1.5			✓		✓	MVN613A1500		5112-11/U
230	2			✓		✓	MVN663A1500		
24 Vac/dc	1.5			✓		✓		MVN643A1500	
24 Vac/dc	2		✓			✓		MVN643A1500	
24				✓		✓			N0524
24				✓		✓			N0524-SW2
230				ON/OFF		✓			N05230-2POS
24						✓			N05010
24					✓	✓			N05010-SW2

Pace (s)	108	30	90	90
F (N)	3			5
Angle	90°			

Angle 90°  
External Thread

Valve	PN	Range of Temp	Reference	KVS A-AB	KVS B-AB	DN	↑ Recommended Actuators ↑	
							Δp clos. (kPa)	
	25	5...120 °C	VBG2-15-0.25	0.25		15	890	
	25	5...120 °C	VBG2-15-0.4	0.4		15		
	25	5...120 °C	VBG2-15-0.63	0.63		15		
	25	5...120 °C	VBG2-15-1	1		15		
	25	5...120 °C	VBG2-15-1.6	1.6		15		
	25	5...120 °C	VBG2-15-2.5	2.5		15		
	25	5...120 °C	VBG2-15-4	4		15	890	
	25	5...120 °C	VBG2-15-6.3	6.3		15		
	25	5...120 °C	VBG2-20-4	4		20		
	25	5...120 °C	VBG2-20-6.3	6.3		20		
	25	5...120 °C	VBG2-20-8.6	8.6		20		
	25	5...120 °C	VBG2-25-6.3	6.3		25		
	25	5...120 °C	VBG2-25-10	10		25	680	
	25	5...120 °C	VBG2-25-16	16		25		
	25	5...120 °C	VBG2-25-25	25		25		
	25	5...120 °C	VBG2-32-16	16		32		
25	5...120 °C	VBG2-32-25	25		32			
25	5...120 °C	VBG3-15-0.63	0.63	0.5	15	340		
25	5...120 °C	VBG3-15-1	1	0.8	15			
25	5...120 °C	VBG3-15-1.6	1.6	1.28	15			
25	5...120 °C	VBG3-15-2.5	2.5	2	15			
25	5...120 °C	VBG3-15-4	4	3.2	15			
25	5...120 °C	VBG3-15-6.3	6.3	5.04	15			
25	5...120 °C	VBG3-20-4	4	3.2	20			
25	5...120 °C	VBG3-20-6.3	6.3	5.04	20			
25	5...120 °C	VBG3-20-8.6	8.6	6.88	20			
25	5...120 °C	VBG3-25-6.3	6.3	5.04	25			
25	5...120 °C	VBG3-25-10	10	8	25			
25	5...120 °C	VBG3-25-16	16	12.8	25			
25	5...120 °C	VBG3-32-16	16	12.8	32			
25	5...120 °C	VBG3-32-25	25	20	32		270	

Ball valves 2-way PN25



AC-xxTF

Code	Ways	DN	Connection	KV
<a href="#">VBG2-15-0.25</a>	2	15	External Thread	0.25
<a href="#">VBG2-15-0.4</a>	2	15	External Thread	0.4
<a href="#">VBG2-15-0.63</a>	2	15	External Thread	0.63
<a href="#">VBG2-15-1</a>	2	15	External Thread	1
<a href="#">VBG2-15-1.6</a>	2	15	External Thread	1.6
<a href="#">VBG2-15-2.5</a>	2	15	External Thread	2.5
<a href="#">VBG2-15-4</a>	2	15	External Thread	4
<a href="#">VBG2-15-6.3</a>	2	15	External Thread	6.3
<a href="#">VBG2-20-4</a>	2	20	External Thread	4
<a href="#">VBG2-20-6.3</a>	2	20	External Thread	6.3
<a href="#">VBG2-20-8.6</a>	2	20	External Thread	8.6
<a href="#">VBG2-25-10</a>	2	25	External Thread	10
<a href="#">VBG2-25-16</a>	2	25	External Thread	16
<a href="#">VBG2-25-25</a>	2	25	External Thread	26
<a href="#">VBG2-25-6.3</a>	2	25	External Thread	6.3
<a href="#">VBG2-32-16</a>	2	32	External Thread	16
<a href="#">VBG2-32-25</a>	2	32	External Thread	25
<b>Accessories</b>				
<a href="#">AC-15TF-1</a>	Fastening accessory for externally threaded DN=15 valves, 1/2" pipes			
<a href="#">AC-25TF</a>	Fastening accessory for externally threaded DN=25 valves, 1" pipes			
<a href="#">AC-32TF</a>	Fastening accessory for externally threaded DN=32 valves, 1/4" pipes			

Ball valves 3-way PN25

Code	Ways	DN	Connection	KV
<a href="#">VBG3-15-0.63</a>	3	15	External Thread	0.63
<a href="#">VBG3-15-1</a>	3	15	External Thread	1
<a href="#">VBG3-15-1.6</a>	3	15	External Thread	1.6
<a href="#">VBG3-15-2.5</a>	3	15	External Thread	2.5
<a href="#">VBG3-15-4</a>	3	15	External Thread	4
<a href="#">VBG3-15-6.3</a>	3	15	External Thread	6.3
<a href="#">VBG3-20-4</a>	3	20	External Thread	4
<a href="#">VBG3-20-6.3</a>	3	20	External Thread	6.3
<a href="#">VBG3-20-8.6</a>	3	20	External Thread	8.6
<a href="#">VBG3-25-10</a>	3	25	External Thread	10
<a href="#">VBG3-25-16</a>	3	25	External Thread	16
<a href="#">VBG3-25-6.3</a>	3	25	External Thread	6.3
<a href="#">VBG3-32-16</a>	3	32	External Thread	16
<a href="#">VBG3-32-25</a>	3	32	External Thread	25
<b>Accessories</b>				
<a href="#">AC-15TF-1</a>	Fastening accessory for externally threaded DN=15 valves, 1/2" pipes			
<a href="#">AC-25TF</a>	Fastening accessory for externally threaded DN=25 valves, 1" pipes			
<a href="#">AC-32TF</a>	Fastening accessory for externally threaded DN=32 valves, 1 1/4" pipes			



AC-xxTF

Ball valves DN40-DN50



Power Supply	Return by spring	Proportional	Points	End Switches	Manual	
24 Vac/dc						M6061A1013
230						M6061L1019
24 Vac/dc						M7061E1012
24 Vac/dc						N0524
24 Vac/dc						N0524-SW2
230			ON/OFF			N05230-2POS
24 Vac/dc						N05010
24 Vac/dc						N05010-SW2
24 Vac/dc			ON/OFF			S0524-2POS
24 Vac/dc			ON/OFF			S0524-2POS-SW1
230			ON/OFF			S05230-2POS
24 Vac/dc			ON/OFF			S05230-2POS-SW1
24 Vac/dc						S05010
24 Vac/dc						S05010-SW1

Phase (s)	90	90	45	90
F (N)	10	5		
Angle	90°			

Angle 90°
External Thread

↑ Recommended Actuators ↓

Valve	PN	Range of Temp	Reference	K VS A-AB	K VS B-AB	DN	Δp clos. (kPa)
	25	5...120 °C	VBG2-40-25	25		40	680
	25	5...120 °C	VBG2-40-40	40		40	
	25	5...120 °C	VBG2-50-40	40		50	
	25	5...120 °C	VBG2-50-63	65		50	
	25	5...120 °C	VBG3-40-25	25	20	40	270
	25	5...120 °C	VBG3-40-40	40	32	40	
	25	5...120 °C	VBG3-50-40	40	32	50	
	25	5...120 °C	VBG3-50-63	65	50	50	

Ball valves 2-way DN40-DN50



5112-11/U



AC-xxTF

Code	Ways	DN	Connection	KV
<a href="#">VBG2-40-25</a>	2	40	External Thread	25
<a href="#">VBG2-40-40</a>	2	40	External Thread	40
<a href="#">VBG2-50-40</a>	2	50	External Thread	40
<a href="#">VBG2-50-63</a>	2	50	External Thread	63
Accessories				
<a href="#">AC-40TF</a>	Mounting accessory for externally threaded DN=40 valves, 1 1/2" pipes			
<a href="#">AC-50TF</a>	Mounting accessory for externally threaded DN=50 valves, 2" pipes			
<a href="#">5112-11/U</a>	Coupling for DN40-50 ball valves for rotary actuators models S03 or N05			
<a href="#">5112-51/U</a>	Coupling kit for DN40-50 ball valves			

Ball valves 3-way DN40-DN50

Code	Ways	DN	Connection	KV
<a href="#">VBG3-40-25</a>	3	40	External Thread	25
<a href="#">VBG3-40-40</a>	3	40	External Thread	40
<a href="#">VBG3-50-40</a>	3	50	External Thread	40
<a href="#">VBG3-50-63</a>	3	50	External Thread	63
Accessories				
<a href="#">AC-40TF</a>	Mounting accessory for externally threaded DN=40 valves, 1 1/2" pipes			
<a href="#">AC-50TF</a>	Mounting accessory for externally threaded DN=50 valves, 2" pipes			
<a href="#">5112-11/U</a>	Coupling for DN40-50 ball valves for rotary actuators models S03 or N05			
<a href="#">5112-51/U</a>	Coupling kit for DN40-50 ball valves			



5112-11/U



AC-xxTF

Ball valves threaded



Power Supply	Spring return	Proportional	Points	End Switches	Manual																
24 Vac/dc			✓		✓	N1024															
24 Vac/dc			✓		✓	N1024-SW2															
230			ON/OFF		✓		N10230-2POS														
24 Vac/dc		✓			✓	N10010															
24 Vac/dc		✓		✓	✓	N10010-SW2															
24 Vac/dc	✓		ON/OFF		✓			S1024-2POS													
24 Vac/dc	✓		ON/OFF	✓	✓			S1024-2POS-SW2													
230	✓		ON/OFF		✓			S10230-2POS													
230	✓		ON/OFF	✓	✓			S10230-2POS-SW2													
24 Vac/dc	✓	✓	✓		✓				S10010												
24 Vac/dc	✓	✓	✓	✓	✓			S10010-SW2													
24 Vac/dc			✓		✓					N2024											
24 Vac/dc			✓		✓					N2024-SW2											
230			✓		✓																
24 Vac/dc		✓			✓						N20010										
24 Vac/dc		✓			✓						N20010-SW2										
24 Vac/dc	✓		ON/OFF		✓																S2024-2POS
24 Vac/dc	✓		ON/OFF	✓	✓																S2024-2POS-SW2
230	✓		ON/OFF		✓																S20230-2POS
230	✓		ON/OFF	✓	✓																S20230-2POS-SW2
24 Vac/dc	✓	✓	✓		✓																S20010
24 Vac/dc	✓	✓	✓	✓	✓																S20010-SW2
230			✓		✓																N34230*
24 Vac/dc		✓			✓																N34010

Price (€)	110	140	45	90	110	95	45	90	110	90	
F (N)	10				20				34		
Angle	90°										

Valve	PN	Range of Temp	Reference	KVS	DN	Recommended Actuators †										
						Δp clos. (kPa)										
	25	-30 to 120 °C max. pressure 2500 kPa for DN 50 & DN 80	VBF2-50-25	25,0	50	700										
	25		VBF2-50-40	40,0	50	700										
	25		VBF2-65-63	63	65	700										
	25		VBF2-80-100	100	80	700										
	16	-30 to 120 °C max. pressure 1600 kPa for DN 100, 125, & 150 No condensation in actuator	VBF2-100-160	160	100	500										
	16		VBF2-125-250*	250	125	500										
	16		VBF2-150-320	320	150	500										
	16		VBF2-150-400*	400	150	500										
	16		VBF2-150-560	560	150	500										
	16		VBF2-150-560	560	150	500										
	25	-30 to 120 °C max. pressure 2500 kPa for DN 50 & DN 80	VBF3-50-25	25,0	50	275										
	25		VBF3-50-40	40,0	50	275										
	25		VBF3-65-63	63	65	275										
	25		VBF3-80-100	100	80	500										
	16	-30 to 120 °C max. pressure 1600 kPa for DN 100, 125, & 150 No condensation in actuator	VBF3-100-160*	160	100	500										
	16		VBF3-125-250*	250,0	125	500										
	16		VBF3-150-320	320	150	500										
	16		VBF3-150-400	400	150	500										
	16		VBF3-150-560	560	150	500										

Ball valves 2-way threaded



VBF2 (PN25)



VBF2 (PN16)

Code	PN	DN	Connection	KV
<a href="#">VBF2-50-25</a>	25	50	Threaded	25
<a href="#">VBF2-50-40</a>	25	50	Threaded	40
<a href="#">VBF2-65-63</a>	25	65	Threaded	63
<a href="#">VBF2-80-100</a>	25	80	Threaded	100
<a href="#">VBF2-100-160</a>	16	100	Threaded	160
<a href="#">VBF2-125-250*</a>	16	125	Threaded	250
<a href="#">VBF2-150-320</a>	16	150	Threaded	320
<a href="#">VBF2-150-400*</a>	16	150	Threaded	400
<a href="#">VBF2-150-560</a>	16	150	Threaded	560

Ball valves 3-way threaded

Code	PN	DN	Connection	KV
<a href="#">VBF3-50-25</a>	25	50	Threaded	25
<a href="#">VBF3-50-40</a>	25	50	Threaded	40
<a href="#">VBF3-65-63</a>	25	65	Threaded	63
<a href="#">VBF3-80-100</a>	25	80	Threaded	100
<a href="#">VBF3-100-160*</a>	16	100	Threaded	160
<a href="#">VBF3-125-250*</a>	16	125	Threaded	250
<a href="#">VBF3-150-320</a>	16	150	Threaded	320
<a href="#">VBF3-150-400</a>	16	150	Threaded	400
<a href="#">VBF3-150-560</a>	16	150	Threaded	560



VBF2 (PN25)



VBF2 (PN16)

Ball valves 6-way



ACS-xxT



VBG6-063ZA



VBG6-063GI-xx



VBG6-091SOS



VBG6N10

Code	PN	DN	Connection	KV max
<a href="#">VBG6-15</a>	16	15	External Thread	1,25
<a href="#">VBG6-20</a>	16	20	External Thread	2,8
<a href="#">VBG6-20HF</a>	16	20	External Thread	4

Accessories

<a href="#">VBG6N10</a>	Connection kit for N10 actuators in VBG6 valves			
<a href="#">VBG6-063GI-15</a>	Insulation housing for type DN15			
<a href="#">VBG6-063GI-20</a>	Insulation housing for type DN20			
<a href="#">VBG6-063ZA</a>	Mounting base for VBG6			
<a href="#">VBG6-091SOS</a>	Pliers for Kv discs			
<a href="#">ACS-15T</a>	External thread fitting for DN15 valve, pipe size R1/2"			
<a href="#">ACS-20T</a>	Externally threaded mounting kit for DN=20 valves, R3/4" pipes			

\*Compatible Actuators MR6-24-2POS y MR6-24-010

Butterfly valves



Power Supply	3 Points	Proportional	Manual					
24/230	✓		✓	M6061A1021				
230	✓		✓	M6061L1027				
24		✓	✓		M7061E1020			
24	✓		✓			M6061A1039		
230	✓		✓			M6061L1035		
24	✓		✓				M6061A1047	
24	✓		✓				M6061L1043	
230	✓		✓					M6422L1003

Pace (s)	96	180	138	210	150
F (N)	20		30	40	
Angle	90°				

Valve	PN	Range of Temp	Angle 90°	Reference	KVS	DN	↑ Recommended Actuators ↑				
			Threaded				Δp clos. (kPa)				
	16	-10 to 120°C		V5421B1009	26,0	25	1600				
	16			V5421B1017	26,0	32	1600				
	16			V5421B1025	50	40	1600				
	16			V5421B1033	116	50	1000				
	16			V5421B1041	259	65	1000				
	16			V5421B1058	377	80	1000				
	16	0 to 90°C		V5421B1066	763	100					800
	16			V5421B1074	1030	125					600
	16			V5421B1082	1790	150					400
	16			V5421B1090	3460	200					300

Butterfly valves PN16



VCU-SET

VCO2

Code	PN	DN	Connection	KV
<a href="#">V5421B1009</a>	16	25	Threaded	26
<a href="#">V5421B1017</a>	16	32	Threaded	26
<a href="#">V5421B1025</a>	16	40	Threaded	50
<a href="#">V5421B1033</a>	16	50	Threaded	116
<a href="#">V5421B1041</a>	16	65	Threaded	259
<a href="#">V5421B1058</a>	16	80	Threaded	377
<a href="#">V5421B1066</a>	16	100	Threaded	763
<a href="#">V5421B1074</a>	16	125	Threaded	1030
<a href="#">V5421B1082</a>	16	150	Threaded	1790
<a href="#">V5421B1090</a>	16	200	Threaded	3460
<b>Accessories</b>				
<a href="#">VCU-SET</a>	Replacement accessory for connecting rotary valves			
<a href="#">VCO2</a>	Replacement accessory disc for connecting rotary valves			

Control valves with independent pressure balancing, 2.9mm travel, with pressure ports



Code	DN	Minimum flow	Maximum flow	Δp Kpa
<a href="#">V5004TY10150150</a>	15	45	150	20 ... 400
<a href="#">V5004TY10150600</a>	15	60	600	25 ... 400
<a href="#">V5004TY10150780</a>	15	78	780	35 ... 400
<a href="#">V5004TY10201000</a>	20	100	1000	30 ... 400
<a href="#">V5004TY10201500</a>	20	450	1500	35 ... 400
<a href="#">V5004TY10251500</a>	25	450	1500	35 ... 400

Control valves with independent pressure balancing, 6mm travel, with pressure ports



Code	DN	Minimum flow	Maximum flow	Δp Kpa
<a href="#">V5004TY10202200</a>	20	220	2200	25 ... 400
<a href="#">V5004TY10202700</a>	20	270	2700	25 ... 400
<a href="#">V5004TY10252200</a>	25	220	2200	25 ... 400
<a href="#">V5004TY10252700</a>	25	270	2700	25 ... 400
<a href="#">V5004TY10322700</a>	32	270	2700	25 ... 400
<a href="#">V5004TY10323000</a>	32	300	3000	35 ... 400

Rotary control valves with independent pressure balancing (90°) with pressure ports



V5004SA3265

Code	DN	Minimum flow	Maximum flow	Δp Kpa
<a href="#">V5004TY10326000</a>	32	1800	6000	30 ... 400
<a href="#">V5004TY10409000</a>	40	2700	9000	35 ... 400
<a href="#">V5004TY10501200</a>	50	3300	11000	40 ... 400
<a href="#">V5004TY10501700</a>	50	5400	1800	35 ... 400
<b>Accessories</b>				
<a href="#">V5004SA3265</a>	Replacement coupling shaft for mounting motor M6061 / M7061			

\*Compatible Actuators M6061A1013, M6061L1019 & M7061E1012

Control valves with independent pressure balancing with included actuator

Code	DN	Minimum flow	Maximum flow	$\Delta p$ Kpa
<a href="#">V5004TF1050</a>	50	2000	20000	40 ... 400
<a href="#">V5004TF1065</a>	65	3000	30000	30 ... 400
<a href="#">V5004TF1080</a>	80	3000	30000	30 ... 400
<a href="#">V5004TF1100</a>	100	5500	55000	30 ... 400
<a href="#">V5004TF1125</a>	125	9000	90000	35 ... 400
<a href="#">V5004TF1150</a>	150	15000	150000	50 ... 400
<b>Accessories</b>				
<a href="#">M5004F1050</a>	Replacement actuator for V5004TF1050			
<a href="#">M5004F1065</a>	Replacement actuator for V5004TF1065			
<a href="#">M5004F1080</a>	Replacement actuator for V5004TF1080			
<a href="#">M5004F1100</a>	Replacement actuator for V5004TF1100			
<a href="#">M5004F1125</a>	Replacement actuator for V5004TF1125			
<a href="#">M5004F1150</a>	Replacement actuator for V5004TF1150			
<a href="#">M5004F1150</a>	Replacement actuator for V5004TF1150			



M5004F

# ACTUATORS

Thermoelectric Actuator M400 for valves with a 2.5mm stroke, 100N



Modelo	Stroke	Action	Auxiliary	Power Supply	Current* Initial	Current constant*	Cons.*	Pace min.**
<a href="#">M400-AG</a>	4.5mm	NC	NO	24 Vac/dc	<100 mA	<100 mA	2 W	5 ± 1.5
<a href="#">M400-AG-2.5M</a>								
<a href="#">M400-BG</a>	4.5mm	NC	NO	230 Vac	<250 mA	<10 mA	2 W	3.5 ± 1.5
<a href="#">M400-BG-2.5M</a>								
<a href="#">M400-AO</a>	4.5mm	NO	NO	24 Vac/dc	<250 mA	<100 mA	2 W	5 ± 1.5
<a href="#">M400-AO-2.5M</a>								
<a href="#">M400-BO</a>	4.5mm	NO	NO	230 Vac	<250 mA	<10 mA	2 W	3.5 ± 1.5 min
<a href="#">M400-BO-2.5M</a>								
<a href="#">M400-AGE-2.5M</a>	4.5mm	NC	YES	24 Vac/dc	<250 mA	<100 mA	2 W	5 ± 1.5
<a href="#">M400-BGE-2.5M</a>	4.5mm	NC	YES	230 Vac	<250 mA	<10 mA	2 W	3.5 ± 1.5
<a href="#">M400-AOE-2.5M</a>	4.5mm	NO	YES	24 Vac/dc	<250 mA	<100 mA	2 W	5 ± 1.5
<a href="#">M400-BOE-2.5M</a>	4.5mm	NO	YES	230 Vac	<250 mA	<10 mA	2 W	3.5 ± 1.5

\* All values at nominal voltage 24 Vac/dc, 230 Vac, 50 Hz, and ambient temperature 30 °C

\*\* Value at ambient temperature: 30 °C, the first complete stroke has a longer than normal operating time.

Thermoelectric Actuator MT4 for valves with a 2.5mm stroke, 90N

Code	Power Supply	Base Position without voltage	End Switch	Pace of function min
<a href="#">MT4-024-NC</a>	24 Vac/dc	Down	–	4
<a href="#">MT4-024-NC-2.5M</a>	24 Vac/dc	Down	–	4
<a href="#">MT4-024-NO</a>	24 Vac/dc	Up	–	4
<a href="#">MT4-024-NO-2.5M</a>	24 Vac/dc	Up	–	4
<a href="#">MT4-024S-NC</a>	24 Vac/dc	Down	1	4
<a href="#">MT4-024S-NO</a>	24 Vac/dc	Up	1	4
<a href="#">MT4-230-NC</a>	230Vac	Down	–	4
<a href="#">MT4-230-NC-2.5M</a>	230Vac	Down	–	4
<a href="#">MT4-230-NO</a>	230Vac	Up	–	4
<a href="#">MT4-230-NO-2.5M</a>	230Vac	Up	–	4
<a href="#">MT4-230S-NC</a>	230Vac	Down	1	4
<a href="#">MT4-230S-NO</a>	230Vac	Up	1	4
<b>Accessories</b>				
<a href="#">MT-ADAPT-HP</a>	Adapters for mounting on Herz/Polytherm valves; 10 units			
<a href="#">MT-ADAPT-HW</a>	Replacement mounting adapter M30x1.5 (pack of 10)			



Thermoelectric Actuator M4410 for valves with a 2.5mm stroke, 100N

Code	Power Supply	Base Position without voltage	Control Signal	Pace of function
<a href="#">M4100E1510</a>	24Vac	Down	0-10V	75 s
<a href="#">M4100K1515</a>	24Vdc	Down	0-10V	75 s
<b>Accessories</b>				
<a href="#">M4100-1M</a>	1 meter cable for the M4100 thermoelectric actuator, 3 x 0.22 mm <sup>2</sup> (VPE10), pack of 10 units			
<a href="#">M4100-1M/U</a>	1 meter cable for the M4100 thermoelectric actuator, 3 x 0.22 mm <sup>2</sup> individual packaging			
<a href="#">M4100-1MH</a>	1 meter cable for the M4100 thermoelectric actuator, halogen-free, 3 x 0.22 mm <sup>2</sup> (VPE10), pack of 10 units			
<a href="#">M4100-3M</a>	3 meter cable for M4100 thermoelectric actuator, 3 x 0.22 mm <sup>2</sup> (VPE10), pack of 10 units			
<a href="#">M4100-MOD-5M</a>	5 meter cable for M4100 thermoelectric actuator, 3 x 0.22 mm <sup>2</sup> (VPE10), pack of 10 units			
<a href="#">M4100-VA50</a>	Valve adapter with threaded connection M30x1.5 mm, closing dimension of 10.5 mm, pack of 10 units			



M4100x151x



M4100-xM



M4100-VA50

Electric actuator M7410A for valves with a 2.5mm stroke, 90N



Code	Power Supply	Control Signal	Cable (m)	Pace of function
<a href="#">M7410A1001</a>	24Vac	Floating (3 points)	0,9	53 s
<a href="#">M7410A1001-3M</a>	24Vac	Floating (3 points)	3	53 s
<a href="#">M7410A1001-5M*</a>	24Vac	Floating (3 points)	5	53 s
<b>Accessories</b>				
<a href="#">IRA-AD</a>	Adapter for Danfoss RA2000 valves			

Electric actuator M7410A for valves with a 2.5mm stroke, 90N

Code	Power Supply	Base Position without voltage	Cable (m)	Pace of function
<a href="#">M7410E5001</a>	24Vac	0/2 -10V	1,5	70 s
<a href="#">M7410E5001-3M</a>	24Vac	0/2 -10V	3	70 s
<a href="#">M7410E5001-5M*</a>	24Vac	0/2 -10V	5	70 s



Thermoelectric actuator M800 for valves with a 6.5mm stroke, 100N



Model	Stroke	Action	Auxiliary	Power Supply	Current* Initial	Current constant*	Cons.*	Pace** min.
<a href="#">M800-AG</a>	8.0 mm	NC	NO	24 Vac/dc	<300 mA	<100 mA	2 W	5 ± 1.5
<a href="#">M800-AG-2.5M</a>								
<a href="#">M800-BG</a>	8.0 mm	NC	NO	230 Vac	<250 mA	<10 mA	2 W	3.5 ± 1.5
<a href="#">M800-BG-2.5M</a>								
<a href="#">M800-AO</a>	8.0 mm	NO	NO	24 Vac/dc	<300 mA	<100 mA	2 W	5 ± 1.5
<a href="#">M800-AO-2.5M</a>								
<a href="#">M800-BO</a>	8.0 mm	NO	NO	230 Vac	<250 mA	<10 mA	2 W	3.5 ± 1.5
<a href="#">M800-BO-2.5M</a>								
<a href="#">M800-AGE-2.5M</a>	8.0 mm	NC	YES	24 Vac/dc	<300 mA	<100 mA	2 W	5 ± 1.5
<a href="#">M800-BGE-2.5M</a>	8.0 mm	NC	YES	230 Vac	<250 mA	<10 mA	2 W	3.5 ± 1.5
<a href="#">M800-AOE-2.5M</a>	8.0 mm	NO	YES	24 Vac/dc	<300 mA	<100 mA	2 W	5 ± 1.5
<a href="#">M800-BOE-2.5M</a>	8.0 mm	NO	YES	230 Vac	<250 mA	<10 mA	2 W	3.5 ± 1.5

Thermal actuator MT8 for valves with a 6.5mm stroke, 90N, IP44, no manual adjustment

Code	Power Supply	Length cable (m)	Base Position without voltage	Force (N)	Pace of func. (s)	End Switch
<a href="#">MT8-024-NC</a>	24 Vac	1	Down	90	360	No
<a href="#">MT8-024-NC-2.5M</a>	24 Vac	2.5	Down	90	360	No
<a href="#">MT8-024-NO</a>	24 Vac	1	Up	90	360	No
<a href="#">MT8-024-NO-2.5M</a>	24 Vac	2.5	Up	90	360	No
<a href="#">MT8-024S-NC</a>	24 Vac	1	Down	90	360	Yes
<a href="#">MT8-024S-NO</a>	24 Vac	1	Up	90	360	Yes
<a href="#">MT8-230-NC</a>	230 Vac	1	Down	90	390	No
<a href="#">MT8-230-NC-2.5M</a>	230 Vac	2.5	Down	90	390	No
<a href="#">MT8-230-NO</a>	230 Vac	1	Up	90	390	No
<a href="#">MT8-230-NO-2.5M</a>	230 Vac	2.5	Down	90	390	No
<a href="#">MT8-230S-NC</a>	230 Vac	1	Up	90	390	Yes
<a href="#">MT8-230S-NO</a>	230 Vac	1	Down	90	390	Yes



Electric actuator M6410/M7410C for valves with a 6.5mm stroke, 180N, floating control, IP43/IP42



Code	Power Supply	Long. cable (m)	Control Signal	Pace of function	End Switch	Adjustment Manual
<a href="#">M6410A1029</a>	24 Vac	1.5	3 points	150 s	No	No
<a href="#">M6410C2023</a>	24 Vac	1.5	3 points	150 s	No	Yes
<a href="#">M6410C4029</a>	230Vac	1.5	3 points	150 s	2	Yes
<a href="#">M6410L2023</a>	230 Vac	1.5	3 points	150 s	No	Yes
<a href="#">M6410L4029</a>	230Vac	1.5	3 points	150 s	2	Yes
<a href="#">M6410L7006</a>	230Vac	1,5	3 points	150 s	-	Yes
<a href="#">M7410C1007</a>	24 Vac	1,5	3 points	150 s	No	No
<a href="#">M7410C1007-10M</a>	24 Vac	10	3 points	150 s	No	No
<a href="#">M7410C1007-3M</a>	24 Vac	3	3 points	150 s	No	No
<a href="#">M7410C1007-5M</a>	24 Vac	5	3 points	150 s	No	No

Electric actuator M7410E/F for valves with a 6.5mm stroke, 180N, IP42

Code	Power Sup.	Long. cable (m)	Control Sig.	Pace of func. (s)	Final de carrera	Adjustment Manual
<a href="#">M7410E1002</a>	24 Vac	1.5	0/2..10V	150	No	No
<a href="#">M7410E1002-10M</a>	24 Vac	10	0/2..10V	150	No	No
<a href="#">M7410E2026</a>	24 Vac	1.5	0/2..10V	150	No	Yes
<a href="#">M7410E4022</a>	24 Vac	1.5	0/2..10V	150	2	Yes
<a href="#">M7410F1000</a>	24 Vac	1.5	0/2..10V	150	No	No



Electric actuator M6435A1004 for valves with a 6.5mm stroke, 180N, IP54



Code	Power Sup.	Length cable (m)	Base Position without voltage	Control Signal	Pace of function
<a href="#">M6435A1004</a>	24 Vac	1,5	Up	3 points	60 s

Electric actuator M6410/M7410 for valves with a 6.5mm stroke, 300N, 3-point control, IP43/IP42



Code	Power Supply	Length cable (m)	Control Signal	Pace of func. (seg.)	End Switch	Adjustment Manual
<a href="#">M6410A3017</a>	24 Vac	1.5	3 points	150	No	No
<a href="#">M6410C2031</a>	24 Vac	1.5	3 points	150	No	Yes
<a href="#">M6410C4037</a>	230 Vac	1.5	3 points	150	2	Yes
<a href="#">M6410L2031</a>	24 Vac	1.5	3 points	150	No	Yes
<a href="#">M6410L4037</a>	230Vac	1.5	3 points	150	2	Yes
<a href="#">M7410C1015</a>	24 Vac	1.5	3 points	150	No	No

Electric actuator M6410/M7410 for valves with a 6.5mm stroke, 300N, Proportional 0-10V, IP43/IP42

Code	Power Sup.	Length cable (m)	Control Sig.	Pace of func. (seg.)	End Switch	Adjustment Manual
<a href="#">M7410E1028</a>	24 Vac	1.5	0/2..10V	150	No	No
<a href="#">M7410E1028-3MB</a>	24 Vac	3	0/2..10V	150	No	No
<a href="#">M7410E2034</a>	24 Vac	1.5	0/2..10V	150	No	Yes
<a href="#">M7410E4030</a>	24 Vac	1.5	0/2..10V	150	2	Yes



Electric actuator ML7430/ML7435/ML6435 for valves with a 6.5mm stroke, 400N, IP43/IP42



ML7430E1005



ML7430E1004 / ML6435B

Code	Power Sup.	Base Position without voltage	Control Signal	Pace of func. (s)	End Switch	Adjustment Manual
<a href="#">ML7430E1005</a>	24 Vac	-	0/2..10V	15	No	Yes
<a href="#">ML7435E1004</a>	24 Vac	Up	0/2..10V	60	No	No
<a href="#">ML6435B1008</a>	24	Up	3 points	60	No	No
<a href="#">ML6435B1016</a>	230	Up	3 points	60	No	No

Electric actuator ML6420A with 3-point control, return spring, 20mm stroke, 600N, IP54.



Code	Power Sup.	Pace of func. (s)	Control Signal	Adjustment Manual
<a href="#">ML6420A3007</a>	24	60	3 points	Yes
<a href="#">ML6420A3049</a>	24	60	3 points	Yes
<a href="#">ML6420A3015</a>	230	60	3 points	Yes
<a href="#">ML6420A3072</a>	24	60	3 points	No
<a href="#">ML6420A3023</a>	24	30	3 points	Yes
<a href="#">ML6420A3031</a>	230	30	3 points	Yes

Electric actuator ML6425A/B with 3-point control, return spring, 20mm stroke, 600N, IP54.



Code	Power Sup.	Base Position without voltage	Pace of func. (s)	Control Signal
<a href="#">ML6425A3006</a>	24	Down	108	3 points
<a href="#">ML6425B3005</a>	24	Up	108	3 points
<a href="#">ML6425A3014</a>	230	Down	108	3 points
<a href="#">ML6425B3021</a>	230	Up	108	3 points

Electric actuator ML7420A with 0-10V control, 20mm stroke, 600N, IP54.



Code	Power Sup.	Pace of func. (s)	Control Signal	Adjustment Manual
<a href="#">ML7420A6025T</a>	24	60	0-10 V	No
<a href="#">ML7420A6025</a>	24	60	0-10 V	No
<a href="#">ML7420A6009T</a>	24	60	0-10 V	Yes
<a href="#">ML7420A6009</a>	24	60	0-10 V	Yes
<a href="#">ML7420A3055</a>	24	60	0-10 V	Yes
<a href="#">ML7420A6017</a>	24	30	0-10 V	Yes
<a href="#">ML7420A3063</a>	24	30	0-10 V	Yes

Electric actuator ML7425A/B with 0-10V control, return spring, 20mm stroke, 600N, IP54



Code	Power Sup.	Base Position without voltage	Pace of func. (s)	Control Signal
<a href="#">ML7425A3013</a>	24	Down	90	0-10 V
<a href="#">ML7425A6008T</a>	24	Down	108	0-10 V
<a href="#">ML7425A6008</a>	24	Down	108	0-10 V
<a href="#">ML7425B6007T</a>	24	Up	108	0-10 V
<a href="#">ML7425B6007</a>	24	Up	108	0-10 V

Electric actuator ML7984A with 3-point control, 19mm stroke, 710N, IP54.



Code	Power Sup.	Force (N)	Pace of func. (s)	Control Signal
<a href="#">ML7984A4009/U</a>	24	710	63	0-10V / 4- 20 mA

Electric actuator ML6421A with 3-point control, 20mm stroke, 1800N, IP54.



Code	Power Sup.	Pace of func. (seg.)	Control Signal	Adjustment Manual
<a href="#">ML6421A3005</a>	24	114	3 points	Yes
<a href="#">ML6421A3013</a>	230	114	3 points	Yes
<a href="#">ML6421A1017</a>	24	95	3 points	Yes

Electric actuator ML6984A with 0-10V control, 20mm stroke, 1800N, IP54.



Code	Power Sup.	Pace of func. (seg.)	Control Signal	Adjustment Manual
<a href="#">ML7421A3004</a>	24	114	0-10 V	Yes
<a href="#">ML7421A1032</a>	24	95	0-10 V	Yes

Electric actuator ML6421A with 3-point control, 38mm stroke, 1800N, IP54.



Code	Power Sup.	Pace of func. (seg.)	Control Signal	Adjustment Manual
<a href="#">ML6421B3004</a>	24	210	3 points	Yes
<a href="#">ML6421B3012</a>	230	210	3 points	Yes

Electric actuator ML6984A with 0-10V control, 38mm stroke, 1800N, IP54.

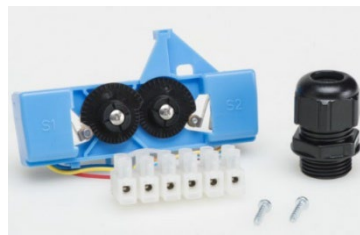


Code	Power Sup.	Pace of func. (seg.)	Control Signal	Adjustment Manual
<a href="#">ML7421B3003</a>	24	210	0-10 V	Yes
<a href="#">ML7421B1023</a>	24	175	0-10V	Yes

Accessories for actuators of 600 and 1800 Nm.



43191679-007 / 43191679-008  
43191679-011



43191680-002 / 43191680-005  
/ 43191680-205



43196000-001 / 43196000-002  
43196000-038

Accessories	
<a href="#">43191679-007</a>	10 Kohm potentiometer for actuators with 20mm stroke.
<a href="#">43191679-008</a>	10 Kohm potentiometer for actuators with 38mm stroke.
<a href="#">43191679-011</a>	10Kohm feedback potentiometer for actuators ML6420A3 and ML6420B3.
<a href="#">43191680-002</a>	Pack of two limit switch selectors for ML6421B series actuators.
<a href="#">43191680-005</a>	Pack of two limit switch selectors for the ML6420A3 and ML6420B3 series actuators.
<a href="#">43191680-205</a>	Auxiliary limit switch contacts for the ML7420 series actuators.
<a href="#">43196000-001</a>	Coupling for valves V5011R/V5011S/V5013R/V5013E and V5328A/V5329A (up to DN32). for high temperatures between 150 and 220°C.
<a href="#">43196000-002</a>	Coupling for valves V5328A/V5329A (from DN40 to DN80), V5049A (up to DN65), and V5016/V5025/V5050A (up to DN80) for high temperatures between 150 and 220°C.
<a href="#">43196000-038</a>	High-temperature kit for valves V5015A/V5016A/V5049A/V5050/B/V5328A of 38mm stroke

Electric actuator ML8824A with 0-10V control, 20mm stroke, 600N, IP54.



Code	Power Sup.	Pace of func. (seg.)	Control Signal	Adjustment Manual
<a href="#">ML8824A0620</a>	24 Vac	Adjustable 40/80	0/2...10V	Yes

Electric actuator ML8824A with 0-10V control, 20 or 40mm stroke, 1800N, IP54.



Code	Power Sup.	Pace of func. (s)	Control Signal	Stroke (mm)	Adj. Manual
<a href="#">ML8824A1820</a>	24 Vac	Adjustable 20/40	0/2...10V	20	Yes
<a href="#">ML8824A1840</a>	24 Vac	Adjustable 20/40	0/2...10V	40	Yes

Rotary actuators MR6 for 6-way ball valves, 8 Nm, IP44.



Code	Power Sup.	Pace of func. (seg.)	Control Signal	Adj. Manual
<a href="#">MR6-24-010</a>	24Vac	75s	0/2..10V ; 0/4..20mA	Yes
<a href="#">MR6-24-2POS</a>	24Vac	75s	ON/OFF	Yes

Rotary actuators MVN for ball valves, 3 Nm, IP40.

Code	Power Supply	Length Cable (m)	Force (N)	Pace of func. (s)	Control Signal	Adjustment Manual
<a href="#">MVN613A1500</a>	24 Vac	1.5	3	108	2/3 points	Yes
<a href="#">MVN643A1500</a>	24Vac/dc	1.5	3	30	2/3 points	Yes
<a href="#">MVN663A1500</a>	230V	1.5	3	180	2/3 points	Yes
<a href="#">MVN713A1500</a>	24Vac/dc	1.5	3	90	0/2...10V	Yes



Rotary actuators M6061/M7061 for rotary or butterfly valves, IP54.



VMS2



VMU1

Code	Power Supply	Force (N)	Pace of func. (s)	Control Signal	Adjustment Manual
<a href="#">M6061A1013</a>	24 Vac	10	90	3 points	Yes
<a href="#">M6061A1021</a>	24 Vac	20	96	3 points	Yes
<a href="#">M6061A1039</a>	24 Vac	30	138	3 points	Yes
<a href="#">M6061A1047</a>	24 Vac	40	210	3 points	Yes
<a href="#">M6061L1019</a>	230V	10	90	3 points	Yes
<a href="#">M6061L1027</a>	230V	20	96	3 points	Yes
<a href="#">M6061L1035</a>	230V	30	138	3 points	Yes
<a href="#">M6061L1043</a>	230V	40	210	3 points	Yes
<a href="#">M7061E1012</a>	24 Vad/dc	10	90	0/2..10V	Yes
<a href="#">M7061E1020</a>	24 Vad/dc	20	180	0/2..10V	Yes
<b>Accessories</b>					
<a href="#">VMS2</a>	Limit switches				
<a href="#">VMU1</a>	Position feedback 0...10V				

Rotary actuators M6222 for butterfly valves of DN200, 40Nm, IP54.



Code	Power Supply	Pace of func. (s)	Control Signal	Adjustment Manual
<a href="#">M6422L1003</a>	230	150	3 points	Yes
<b>Accessories</b>				
<a href="#">AS2</a>	End Switches			

Gate actuators of 5Nm, IP54.



Code	Power Supply	Pace of func. (s)	Control Signal	End Switch
<a href="#">N05010</a>	24 Vac/dc	90	0-10V	No
<a href="#">N05010-SW2</a>	24 Vac/dc	90	0-10V	Yes
<a href="#">N05230-2POS</a>	230 V	110	ON/OFF	No
<a href="#">N0524</a>	24 Vac/dc	90	3 points	No
<a href="#">N0524-SW2</a>	24 Vac/dc	90	3 points	Yes

Gate actuators of 10Nm, IP54.



Code	Power Supply	Pace of func. (s)	Control Signal	End Switch
<a href="#">N10010</a>	24 Vac/dc	90	0-10V	No
<a href="#">N10010-SW2</a>	24 Vac/dc	90	0-10V	Yes
<a href="#">N10230-2POS</a>	230 V	110	ON/OFF	No
<a href="#">N1024</a>	24 Vac/dc	90	3 points	No
<a href="#">N1024-SW2</a>	24 Vac/dc	90	3 points	Yes

Gate actuators of 20 Nm, IP54.



Code	Power Supply	Pace of func. (seg.)	Control Signal	End Switch
<a href="#">N20010</a>	24 Vac/dc	95	0-10V	No
<a href="#">N20010-SW2</a>	24 Vac/dc	95	0-10V	Yes
<a href="#">N20230</a>	230 V	110	ON/OFF	No
<a href="#">N20230-SW2</a>	230 V	110	ON/OFF	Yes
<a href="#">N2024</a>	24 Vac	110	3 points	No
<a href="#">N2024-SW2</a>	24 Vac	110	3 points	Yes
<b>Accessories</b>				
<a href="#">SW2</a>	Auxiliary limit switch contact with 2 SPDT contacts, freely adjustable.			

Gate actuators of 20 Nm, IP54.



Code	Power Supply	Pace of func. (seg.)	Control Signal	End Switch
<a href="#">N34010</a>	24 Vac/dc	95	0-10V	No
<a href="#">N34230*</a>	230	110	3 points	No
<b>Accessories</b>				
<a href="#">SW2</a>	Auxiliary limit switch contact with 2 SPDT contacts, freely adjustable.			

Gate actuators of 5Nm with return spring, IP54.



Code	Power Supply	Pace of func. (s)	Control Signal	End Switch
<a href="#">S05010</a>	24 Vac/dc	90	0-10V	No
<a href="#">S05010-SW1</a>	24 Vac/dc	90	0-10V	Yes
<a href="#">S05230-2POS</a>	230V	45	ON/OFF	No
<a href="#">S05230-2POS-SW1</a>	230V	45	ON/OFF	Yes
<a href="#">S0524-2POS</a>	24 Vac/dc	45	ON/OFF	No
<a href="#">S0524-2POS-SW1</a>	24 Vac/dc	45	ON/OFF	Yes

Gate actuators of 10Nm with return spring, IP54.

Code	Power Supply	Pace of func. (s)	Control Signal	End Switch
<a href="#">S10010</a>	24 Vac/dc	90	0-10V / 3 points	No
<a href="#">S10010-SW2</a>	24 Vac/dc	90	0-10V / 3 points	Yes
<a href="#">S10230-2POS</a>	230V	45	ON/OFF	No
<a href="#">S10230-2POS-SW2</a>	230V	45	ON/OFF	Yes
<a href="#">S1024-2POS</a>	24 Vac/dc	45	ON/OFF	No
<a href="#">S1024-2POS-SW2</a>	24 Vac/dc	45	ON/OFF	Yes

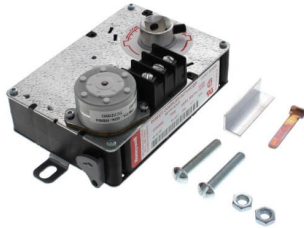


Gate actuators of 20Nm with return spring, IP54.



Code	Power Supply	Pace of func. (s)	Control Signal	End Switch
<a href="#">S20010</a>	24 Vac/dc	90	0-10V / 3 points	No
<a href="#">S20010-SW2</a>	24 Vac/dc	90	0-10V / 3 points	Yes
<a href="#">S20230-2POS</a>	230V	45	ON/OFF	No
<a href="#">S20230-2POS-SW2</a>	230V	45	ON/OFF	Yes
<a href="#">S2024-2POS</a>	24 Vac/dc	45	ON/OFF	No
<a href="#">S2024-2POS-SW2</a>	24 Vac/dc	45	ON/OFF	Yes

Non-Spring Return  
Direct Coupled Actuators



Code	Power Supply	Pace of func. (seg.)	Control Signal	End Switch
<a href="#">ML6161B2024/U</a>	24 Vac	90	3 points	No

Modutrol damper actuator for burners/industrial applications with 3-point signal, IP54.



M62x4 (with return spring)



M62x5 (without return spring)

Code	Power Sup.	Consumption (W)	Angle rotation	Factory Set	Pace of func. (s)	Torque (Nm)	Feedback	Return Spring	Control Signal
<a href="#">M6284F1078-F/U</a>	24 Vac	13	Adj. 90 .. 160	Configured for 90	Var. 30 .. 53	17	10kohm	No	3 points
<a href="#">M6285F1001-F/U</a>	24 Vac	23	Adj. 90 .. 160	Configured for 160	Var. 30 .. 53	6.8	10kohm	Yes	3 points
<a href="#">M6294F1009-F/U</a>	24 Vac	11	Adj. 90 .. 160	Configured for 160	Var. 120..214	34	10kohm	No	3 points

Modutrol damper actuator for burners/industrial applications with 4-20 mA or 0-10V signal, IP54.



Code	Power Supply	Consumption (W)	Angle rotation	Factory Set	Pace of func. (s)	Torque (Nm)	Feedback	Return Spring	Control Signal
<a href="#">M7284Q1082/U</a>	24/120/230 Vac	13	Fixed 90	-	Fixed 30	17	-	No	4..20mA
<a href="#">M7284Q1098/U</a>	24 Vac	13	Adj. 90 .. 160	Configured for 160	Var. 30 .. 53	17	-	No	2..10V =
<a href="#">M7294Q1015/U</a>	24 Vac	14	Adj. 90 .. 160	Configured for 90	Var. 60 .. 107	34	-	No	4..20mA

Modutrol damper actuator for burners/industrial applications with 0-135 ohm signal, IP54.



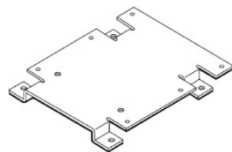
M91x4 (with return spring)



M91x5 with return spring

Code	Power Sup.	Consumption (W)	Anale totation	Factory Set	Pace of func. (s)	Torque (Nm)	Feedback	Return Spring	Control Signal
<a href="#">M9174F1001/U</a>	24 Vac	12	Adj. 90 .. 159	Configured for 160	Var. 30 .. 53	8.5	-	No	0...135ohm
<a href="#">M9184F1034/U</a>	24 Vac	14	Adj. 90 .. 160	Configured for 90	Var. 30 .. 53	17	-	No	0...135ohm

Accessories for modutrol damper actuators



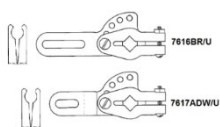
220738A



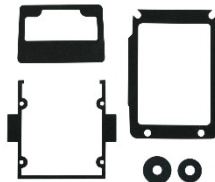
50017460-001



Q181A



7616BR-7617ADW



4074ERU/U



Q7230A1005-2

Accessories	
<a href="#">220736B/U</a>	Spare auxiliary switch set (double switch)
<a href="#">220738A/U</a>	Adapter support to adjust the shaft height when replacing older ModII or ModIII motors.
<a href="#">221455A/U</a>	Set of adjustable levers
<a href="#">4074ERU/U</a>	Weather protection. It protects the motor from heavy rain in any installation position.
<a href="#">50017460-001/U</a>	Internal multi-tap transformer for use with 120 or 230 V AC or for galvanic isolation. 24/120/230 V to 24 V.
<a href="#">7617ADW/U</a>	Short lever assembly
<a href="#">7616BR/U</a>	Long lever assembly
<a href="#">Q181A1015/U</a>	Additional double potentiometer of 135 ohms. It can be used as a feedback potentiometer or as a sequence control (slave) for M9xxx motors.
<a href="#">Q7230A1005/U</a>	Adapter to convert M9xxx motors into motors with analog input. Note: control accuracy <5%. The M7xxx motor can be used to improve control accuracy.
<a href="#">4074ELY/U</a>	Crank arm for modutrol

# PNEUMATIC EQUIPMENT

Pneumatic damper actuator, MP904



Code	Positioner	Effective diaphragm area (cm <sup>2</sup> )	Net force at a pressure of 0 kPa (N)	Net force at a pressure of 140 kPa (N)	Temperature ambient (°C)	Range of pressure (kPa)
<a href="#">MP904A5047</a>	•	146	550	600	-30 ... 70	21 ... 70
<a href="#">MP904B5037</a>	–	146	270	600	-30 ... 90	21 ... 91
<a href="#">MP904B5052</a>	–	146	550	600	-30 ... 90	49 ... 91
<a href="#">MP904C1026</a>	•	65	280	250	-30 ... 70	21 ... 70
<a href="#">MP904D1032</a>	–	65	70	500	-30 ... 90	14 ... 49
<a href="#">MP904D1040</a>	–	65	280	250	-30 ... 90	49 ... 91
<a href="#">MP904D1057</a>	–	65	110	250	-30 ... 90	21 ... 91

Pneumatic damper actuator, MP913B

Code	Stroke (mm)	Effective diaphragm area (cm <sup>2</sup> )	Net force at a pressure of 0 kPa (N)	Net force at a pressure of 140 kPa (N)	Temperature ambient (°C)	Range of pressure (kPa)
<a href="#">MP913B1068</a>	90	25	45	80	-30 ... 70	21 ... 91
<a href="#">MP913B1076</a>	65	25	45	80	-30 ... 70	21 ... 91



Pneumatic damper actuator, MP913A



Code	Stroke (mm)	pressure max (kPa)	Temperature ambient (°C)	Range of pressure (kPa)
<a href="#">MP913A1177/U</a>	25	207	10,,60	21 ... 90

Pneumatic linear actuator, MP958 with 6 mm stroke

Code	Stroke (mm)	Temperature ambiente max	Range of pressure (kPa)
<a href="#">MP958A1017/U</a>	6	110	21 ... 69



Pneumatic linear actuator, MP953 with 20 mm stroke



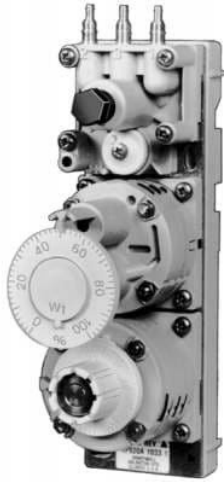
Code	Adjustable start point	Positioner	Stroke (mm)	Effective diaphragm area (cm <sup>2</sup> )	Stem action	Temperature ambient max (°C)	Range of pressure (kPa)
<a href="#">MP953A5005</a>	20.7 ... 69	•	20	122.0	extends	70	20.7 ... 34.5/69
<a href="#">MP953A5039</a>	20.7 ... 69	•	20	314	extends	70	20.7 ... 34.5/69
<a href="#">MP953B5003</a>	20.7 ... 69	•	20	254	retracts	70	20.7 ... 34.5/69
<a href="#">MP953C1026/U</a>	–	–	20	28	retracts	60	28 ... 76
<a href="#">MP953C5019</a>	–	–	20	122.0	extends	120	55.2 ... 82.8
<a href="#">MP953C5027</a>	–	–	20	122.0	extends	120	27.6 ... 75.9
<a href="#">MP953C5076*</a>	–	–	20	314	extends	120	55.2 ... 82.8
<a href="#">MP953C5084</a>	–	–	20	314	extends	120	27.6 ... 75.9
<a href="#">MP953D5009</a>	–	–	20	254	retracts	120	55.2 ... 82.8
<a href="#">MP953D5025</a>	–	–	20	254	retracts	120	27.6 ... 75.9
<b>Accesorio</b>							
<a href="#">43161276-001</a>	Stem extension for MP953 actuators in high-temperature applications when the temperature is between 150 to 220 degrees Celsius, to provide additional air circulation and reduce heat conduction from the valve body to the actuator.						

Pneumatic linear actuator, MP953 with 38 mm stroke

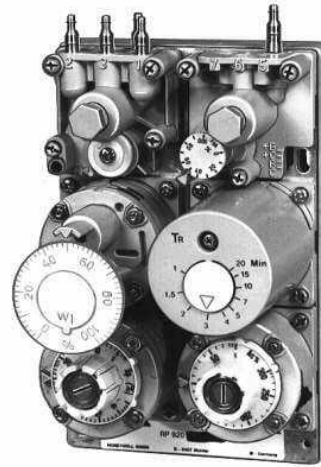


Code	Adjustable start point	Positioner	Stroke (mm)	Effective diaphragm area (cm <sup>2</sup> )	Stem action	Temperature ambient max (°C)	Range of pressure (kPa)
<a href="#">MP953A5054</a>	20,7 ... 69	•	38	855.0	extends	70	20,7 ... 34,5 / 69
<a href="#">MP953C5142</a>	-	-	38	855.0	extends	120	13,8 ... 48,3
<a href="#">MP953C5159</a>	-	-	38	855.0	extends	120	27,6 ... 75,9
<b>Accesorio</b>							
<a href="#">43161276-001</a>	Stem extension for MP953 actuators in high-temperature applications when the temperature is between 150 to 220 degrees Celsius, to provide additional air circulation and reduce heat conduction from the valve body to the actuator.						

Proportional pneumatic controller RP920



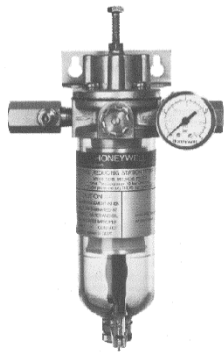
RP920A1025/U  
RP920A1033/U



RP920B1023/U

Code	Input Signal (kPa)	Signal Output (kPa)	Temperature ambient (°C)	pressure Max (kPa)	Remote setpoint adjustment	Sensor Inputs
<a href="#">RP920A1025/U</a>	21 ... 103	21 ... 90	5 ... 55	207	Yes	simple
<a href="#">RP920A1033/U</a>	21 ... 103	21 ... 90	5 ... 55	207	No	simple
<a href="#">RP920B1023/U</a>	21 ... 103	21 ... 90	5 ... 55	207	Yes	double

Pressure reducing valve with filter and regulator station, pp907



Code	Supply air pressure	Pressure exit kPa
<a href="#">PP907A1008</a>	max. 1000 kPa	10 ... 175

Signal converter and pneumatic relay



P658A1013/U



RP970A1008/U

Code	Description
<a href="#">P658A1013/U</a>	Pneumatic signal converter to electric digital signal. Adjustable from 14 to 165 kPa. 25A contact for resistive load.
<a href="#">RP970A1008/U</a>	Direct action proportional relay. Pressure range of the branch from 0 to 124 kPa. Connection for 4 mm plastic tubing.

Pneumatic differential pressure switch



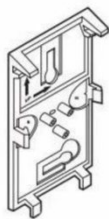
Code	Description
<a href="#">UEC24014M262/U</a>	Pneumatic differential pressure switch, NEMA 1, 150 psi on both sides
<a href="#">UEC24014M262M900/U</a>	Pneumatic differential pressure switch, NEMA 4, 150 psi on both sides

Electronic/Pneumatic Transducer RP7517

Code	Power Supply	Connection	Range of pressure Nominal (kPa) for 2 ...10Vdc	Nominal Low Level (kPa) to 0Vdc	Nominal High Level (kPa) to 12Vdc
<a href="#">RP7517A1009</a>	24Vac/dc	2 wires	20 ... 100	3.5	110
<a href="#">RP7517A1017</a>	24Vac/dc	2 wires	20 ... 100	3.5	117
<a href="#">RP7517B1008</a>	24Vac/dc	2 wires	20 ... 100	3.5	117
<a href="#">RP7517B1016</a>	24Vac/dc	3 wires	20 ... 100	3.5	117
<a href="#">RP7517B1024</a>	24Vac/dc	3 wires	20 ... 100	3.5	117



Accessories and spare parts for Pneumatic Equipment



14002053-001/U

Accessories	Description
<a href="#">14002053-001/U</a>	Back plate assembly for use with pneumatic thermostat family TP970 / TP971 / TP972 / TP973 / TP9600 / HP970, domestic



# DALI & KNX

### DALI64 controller in Dali2 protocol



DALI64F / DALI64PSUF



DALI64S / DALI64PSUS

Code	Description
<a href="#">DALI64F</a>	Lighting controller and presence sensor in open DALI2 protocol with 64 addresses, powered by DALI2 bus, recessed mounting up to 2.5m height with a detection range of 10m in diameter, power consumption of 12mA.
<a href="#">DALI64MBS</a>	Lighting controller and presence sensor in open Dali2 protocol with 64 addresses, powered by Dali2 bus, surface-mounted up to 10m height with a detection range of 20m in diameter, power consumption of 12mA.
<a href="#">DALI64HBS</a>	Lighting controller and presence sensor in open DALI2 protocol with 64 addresses, powered by DALI2 bus, surface-mounted up to an unspecified height with a detection range of 27m in diameter, power consumption of 12mA, mounted at a height of 14m.
<a href="#">DALI64PSUF</a>	Lighting controller and presence sensor in open DALI2 protocol with 64 addresses and integrated power supply of 150mA for recessed mounting up to a height of 2.5m, featuring a detection range of 10m in diameter, powered by 230V.
<a href="#">SURFMT</a>	Surface mount kit for fitting a DALI64 or DALI Net device with recessed mounting.

### DALI64 controller in DALI2 protocol with communication

Code	Description
<a href="#">DALI64SYLKPSUF</a>	Lighting controller and presence sensor in open protocol Dali2 with 64 addresses, featuring a built-in 150mA power supply for recessed mounting up to a height of 2.5m and a detection diameter of 10m. With Trend WMB communication. Power supply 230V.
<a href="#">DALI64MODPSUF</a>	Lighting controller and presence sensor in open DALI2 protocol with 64 addresses, featuring an integrated power supply of 150mA for recessed mounting up to a height of 2.5m and a detection range of 10m in diameter. Powered by 230V.
<a href="#">DALI64SYLKE</a>	Lighting controller and presence sensor in open protocol Dali2 with 64 addresses, powered by the Dali bus with a consumption of 12mA for recessed mounting up to a height of 2.5m and a detection diameter of 10m. With Trend WMB communication. Power supply 230V.
<a href="#">DALI64SYLKHBS</a>	Lighting controller and presence sensor in open protocol Dali2 with 64 addresses, featuring a built-in 150mA power supply for recessed mounting up to a height of 14m and a detection diameter of 27m. With Trend WMB communication. Power supply 230V.
<a href="#">SURFMT</a>	Kit for surface mounting a Dali64 or DaliNet device with recessed installation.



DALI64xxxF / DALI64xxxPSUF



DALI64xxxS / DALI64xxxPSU

### Presence sensors



DALINETF



DALINETS

Code	Description
<a href="#">DALINETF</a>	Dali2 bus-powered presence sensor to extend the presence detection area of a DALI64. Consumption is 12mA, and it is designed for recessed mounting up to a height of 2.5m with a detection diameter of 10m.
<a href="#">DALINETMBS</a>	Dali2 bus-powered presence sensor to extend the presence detection area of a DALI64. Consumption is 12mA, and it is designed for recessed mounting up to a height of 14m with a detection diameter of 27m.
<a href="#">DALINETHBS</a>	Dali2 bus-powered presence sensor to extend the presence detection area of a DALI64. Consumption is 12mA, and it is designed for recessed mounting up to a height of 14m with a detection diameter of 27m.
<a href="#">SURFMT</a>	Kit for surface mounting a Dali64 or DaliNet device with recessed installation.

Dali Mechanisms



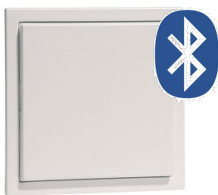
DLS4IM



28001987

Code	Description
<a href="#">28001987</a>	Panel with 6 touch buttons for: On/Off, Dimmer Up/Down, and 3 different scenes. Consumption is 10mA.
<a href="#">DLS4IM</a>	Module with 4 digital inputs for switches, powered by the Dali2 bus with a consumption of 4.1mA. Using 40mm deep boxes is recommended.

Accessories Dali



00030366



00030666



QCUB



DALI PS2



Dali Switch Cross



DALI RM16 DE-WE



DALI PD 300U

Code	Description
<a href="#">00030366</a>	Wireless single-button mechanism with Bluetooth communication, requiring no battery or power supply. Maintenance is not necessary. It can be attached to any surface using double-sided tape or screws.
<a href="#">00030666</a>	Wireless double-button mechanism with Bluetooth communication, requiring no battery or power supply. Maintenance is not necessary. It can be attached to any surface using double-sided tape or screws.
<a href="#">QCUB</a>	IR remote control for On/Off, 5 scenes, and brightness adjustment (increase/decrease).
<a href="#">DALI PS2</a>	Power supply for DALI2 bus of 230VAC/16VDC 240mA.
<a href="#">LSHDQBL2210</a>	DALI / QuickLink cable of 10 meters
<a href="#">DALI SWITCH CROSS</a>	Mechanism with four programmable push buttons powered directly by the Dali bus in a cross shape
<a href="#">DALI RM16 DE-WE</a>	Relay module for the direct control of 230Vac loads via Dali. Powered directly from the Dali bus. Integrated current limiter >100A.
<a href="#">DALI PD 300U</a>	Dali ballast for loads of 100 to 300W for ceiling or DIN rail. Phase-cut dimmer for resistive, capacitive, and inductive loads, as well as universal dimming.

Dali screens



Code	Description
<a href="#">DALI-2 DISPLAY 4</a>	7" capacitive touchscreen with 24-bit color for multifunctional control of Dali and Dali2 systems. Multi-master capability and can be installed in a recessed box. Powered by 24V.
<a href="#">DALI DISPLAY 7</a>	7" capacitive touchscreen with 24-bit color for multifunctional control of Dali and Dali2 systems. It has multi-master capability and can be installed in a recessed box. Power supply options include 24V or through Ethernet-POE.

Thermostats KNX with 8 Buttons



Code	Description
<a href="#">KNX BT TEMP.702</a>	KNX thermostat for heating and cooling with PID regulation. LCD backlit display shows the current temperature and selected setpoint. The buttons and indicator lights can be used to control lighting, blinds, or scenes. Model: Thermostat Nova in aluminum.
<a href="#">KNX BT TEMP.193</a>	KNX thermostat for heating and cooling with PID regulation. LCD backlit display showing the current temperature and selected setpoint. The buttons and indicator lights can be used for controlling lighting, blinds, or scenes. Model: Thermostat Nova in matte black.
<a href="#">KNX BT TEMP.192</a>	KNX thermostat for heating and cooling with PID regulation. LCD backlit display shows the current temperature and selected setpoint. The buttons and indicator lights can be used to control lighting, blinds, or scenes. Model: Thermostat Nova in piano black.
<a href="#">KNX BT TEMP.022</a>	KNX thermostat for heating and cooling with PID regulation. LCD backlit display shows the current temperature and selected setpoint. The buttons and indicator lights can be used to control lighting, blinds, or scenes. Model: Thermostat Nova in pure white.

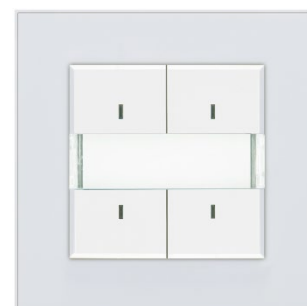
KNX push buttons with 8 buttons.



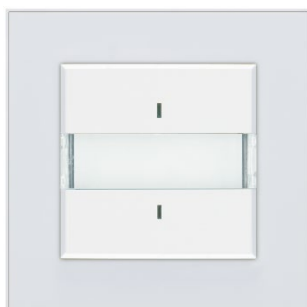
Code	Description
<a href="#">KNX BT 8.702</a>	KNX mechanism with 8 buttons and LEDs that can be configured to manage lighting circuits, dimmers, blinds, scenes, etc. Model: Nova in aluminum.
<a href="#">KNX BT 8.193</a>	KNX mechanism with 8 buttons and LEDs that can be configured to manage lighting circuits, dimmers, blinds, scenes, etc. Model: Nova in matte black.
<a href="#">KNX BT 8.192</a>	KNX mechanism with 8 buttons and LEDs that can be configured to manage lighting circuits, dimmers, blinds, scenes, etc. Model: Nova in piano black.
<a href="#">KNX BT 8.022</a>	KNX mechanism with 8 buttons and LEDs that can be configured to manage lighting circuits, dimmers, blinds, scenes, etc. Model: Nova in pure white.

KNX push buttons with 4 buttons.

Code	Description
<a href="#">KNX BT 4.702</a>	KNX mechanism with 4 buttons and LEDs that can be configured to manage lighting circuits, dimmers, blinds, scenes, etc. Model: Nova in aluminum.
<a href="#">KNX BT 4.193</a>	KNX mechanism with 4 buttons and LEDs that can be configured to manage lighting circuits, dimmers, blinds, scenes, etc. Model: Nova in matte black.
<a href="#">KNX BT 4.192</a>	KNX mechanism with 4 buttons and LEDs that can be configured to manage lighting circuits, dimmers, blinds, scenes, etc. Model: Nova in piano black.
<a href="#">KNX BT 4.022</a>	KNX mechanism with 4 buttons and LEDs that can be configured to manage lighting circuits, dimmers, blinds, scenes, etc. Model: Nova in pure white.



KNX push buttons with 2 buttons.



Code	Description
<a href="#">KNX BT 2.702</a>	KNX mechanism with 2 buttons and LEDs that can be configured to manage lighting circuits, dimmers, blinds, scenes, etc. Model: Nova in aluminum.
<a href="#">KNX BT 2.193</a>	KNX mechanism with 2 buttons and LEDs that can be configured to manage lighting circuits, dimmers, blinds, scenes, etc. Model: Nova in matte black.
<a href="#">KNX BT 2.192</a>	KNX mechanism with 2 buttons and LEDs that can be configured to manage lighting circuits, dimmers, blinds, scenes, etc. Model: Nova in piano black.
<a href="#">KNX BT 2.022</a>	KNX mechanism with 2 buttons and LEDs that can be configured to manage lighting circuits, dimmers, blinds, scenes, etc. Model: Nova in pure white.

### KNX touchscreen



Code	Description
<a href="#">KNX TS 10</a>	KNX 10.1 INCH TOUCH SCREEN is an intelligent touchscreen that provides a single control point for your comfort and security. It can control lighting, temperature, blinds, and awnings. This device can also control thermostats and other modules within the KNX system. Power supply: 12-24V DC.
<a href="#">KNX TS 10 BOX</a>	Mounting box for the KNX TS 10 touchscreen.
<a href="#">KNX TS 10 PWR</a>	12-24V DC power supply for the KNX TS 10 touchscreen.

### KNX power supply



Code	Description
<a href="#">KNX PWR 960</a>	KNX power supply of 960mA
<a href="#">KNX PWR 640</a>	KNX power supply of 640mA

### KNX line coupler or repeater



Code	Description
<a href="#">KNX LN CPL</a>	The KNX LN CPL can be used as a line coupler or repeater for expanding addresses. A power supply is required for each line segment, and each line is galvanically isolated.

### KNX fan coil controller



Code	Description
<a href="#">TP-HKLS-FCU</a>	The KNX HVAC module allows control of valves and fan speeds as it has 5 relay outputs and two 0-10V analog outputs. It can operate in both heating and cooling modes, with comfort, standby, night, and security operating modes. It also has an input that can be either digital or from a temperature probe.

Module with 8 digital outputs KNX



Code	Description
<a href="#">KNX SW 0816</a>	The KNX SW 0816 module with 8 outputs consists of relays designed to interconnect the KNX Bus with on/off electrical loads. They can be used to control lighting, blinds, awnings, louver systems, fan coil lines, etc., or any other load controlled by voltage-free contacts

Module with 6 digital outputs KNX



Code	Description
<a href="#">KNX DIM 6CH 0-10V</a>	The KNX DIM 6CH module with 6 analog 0-10V outputs is designed to dim electronic ballasts of lighting fixtures

Module with 4 digital outputs KNX



Code	Description
<a href="#">KNX DIM 4CH 300W</a>	4CH module with 4 dimmable outputs is designed for regulating 230V lighting circuits with 1.5A and 300W capacity, using analog 0-10V control.

KNX input module



KNX INP 8



KNX INP 4 LED



HKLS-IO24

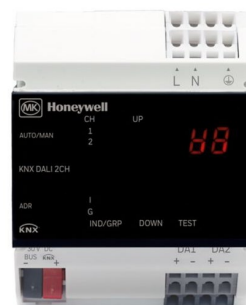
Code	Description
<a href="#">KNX INP 8</a>	KNX module with 8 channels for potential-free contacts such as push buttons, switches, or any mechanism with a voltage-free contact for monitoring.
<a href="#">KNX INP 4 LED</a>	KNX module with 4 channels for potential-free contacts such as push buttons, switches, or any mechanism with a voltage-free contact for monitoring.
<a href="#">HKLS-IO24</a>	KNX input module 24 channel DIN Rail



KNX IP RTR SEC



KNX ENO GTW



KNX DALI 2CH

Code	Description
<a href="#">KNX IP RTR SEC</a>	KNX Secure IP router 100baseT with a power supply of 30Vdc and a consumption of 20mA.
<a href="#">KNX ENO GTW</a>	KNX - EnOcean wireless gateway.
<a href="#">KNX DALI 2CH</a>	KNX to DALI gateway with 2 channels powered by 230Vac.

# Other Accessories



### Communication Interface Mbus-RS232



Code	Description
<a href="#">PW20</a>	RS232/MBUS converter for up to 20 meters, powered by 24Vac/dc with speeds ranging from 300 to 9600 baud, designed for DIN rail mounting.
<a href="#">PW3</a>	RS232/MBUS converter for up to 3 meters, powered by 24Vac/dc with speeds ranging from 300 to 9600 baud, designed for DIN rail mounting.
<a href="#">PW60</a>	RS232/MBUS converter for up to 60 meters, powered by 24Vac/dc with speeds ranging from 300 to 9600 baud, designed for DIN rail mounting.

### Current transformers 24Vac

Code	Description
<a href="#">CRT2</a>	230/24 transformer up to 2A, 48VA (power factor 1), IP00 for mounting on an electrical panel.
<a href="#">CRT6</a>	230/24 transformer up to 6A, 144VA (power factor 1), IP00 for mounting on an electrical panel.
<a href="#">CRT12</a>	230/24 transformer up to 12A, 228VA (power factor 1) and 705VA (power factor 0.5), IP00 for mounting on an electrical panel.
<a href="#">CRT6-6</a>	Transformer with 2 secondary windings, outputting 24V and 6.25A each. 300VA (power factor 1) and 705VA (power factor 0.5), IP00 for mounting on an electrical panel.
<a href="#">CRT6-12</a>	Transformer with 2 secondary windings, outputting 24V and 6.25A and 10.4A. 400VA (power factor 1) and 908VA (power factor 0.5), IP00 for mounting on an electrical panel.





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