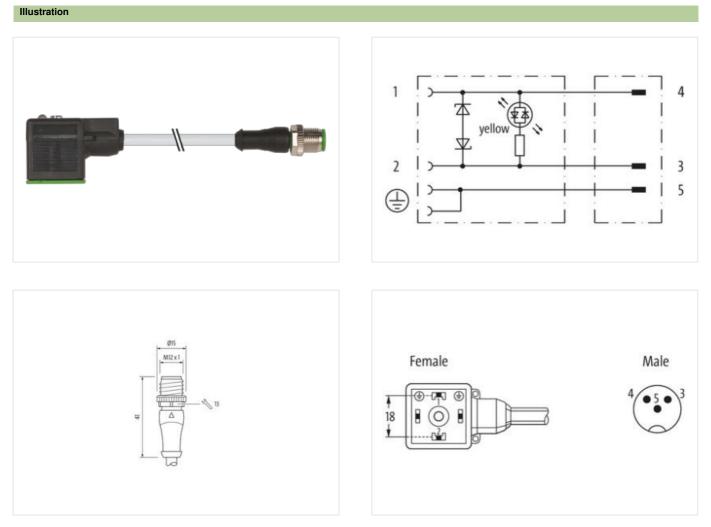


## M12 male 0° A-cod. / MSUD valve plug A-18mm

PVC 3x0.75 gy 1.2m

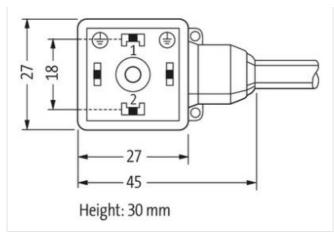
Form A (18 mm) – M12, male straight 24 V AC ±20% / DC ±25% LED and suppression Bridged PE A-coded Further cable lengths on request. Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product



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Product may differ from Image



Cable length	1,2 m
Side 1	
Tightening torque	0,4 Nm
Family construction form	M12
Thread	M3
suitable for corrugated tube (internal Ø)	10 mm
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP67
Side 2	
Tightening torque	0,6 Nm
Thread	M12 x 1
Material	PBT
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060312
ECLASS-11.1	27060312
ECLASS-12.0	27060312
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879853453
Packaging unit	1
Electrical data	
Capacity CX	20 ms
Electrical data   Supply	
Operating voltage AC	24 V
Operating voltage AC min.	19,2 V
Operating voltage AC max.	28,8 V

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Operating voltage DC   24 V     Operating voltage DC min.   18 V     Operating voltage DC max.   30 V     Cut-off peak voltage max.   55 V     Current operating per contact max.   4 A     Current consumption max.   15 mA     Diagnostics   status indication LED     Status indication LED   yellow     Device protection   Electrical   screwed     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   0,8 kV     Material group (IEC 60664-1)   1     Mechanical data   Material data   Coating locking     Color housing   black     Material gasket   PUR     Material housing   Plastic     Locking material   Zinc die-casting	
Operating voltage DC max.30 VCut-off peak voltage max.55 VCurrent operating per contact max.4 ACurrent consumption max.15 mADiagnosticsStatus indication LEDyellowDevice protection   ElectricalAdditional condition protection degreeinserted, screwedPollution Degree3Rated surge voltage0,8 kVMaterial group (IEC 60664-1)1Mechanical data   Material dataCoolin housingblackMaterial gasketPURMaterial gasketPURMaterial housingPlasticLocking materialZinc die-casting	
Cut-off peak voltage max.   55 V     Current operating per contact max.   4 A     Current consumption max.   15 mA     Diagnostics	
Current operating per contact max.   4 A     Current consumption max.   15 mA     Diagnostics   Status indication LED     Status indication LED   yellow     Device protection   Electrical   Additional condition protection degree     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   0,8 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   Vickeled     Color housing   black     Material gasket   PUR     Material housing   Plastic     Locking material   Zinc die-casting	
Current consumption max.   15 mA     Diagnostics   Status indication LED     Status indication LED   yellow     Device protection   Electrical   Additional condition protection degree     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   0,8 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   Coating locking     Color housing   black     Material gasket   PUR     Material housing   Plastic     Locking material   Zinc die-casting	
Diagnostics     Status indication LED   yellow     Device protection   Electrical     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   0,8 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data     Coating locking   Nickeled     Color housing   black     Material gasket   PUR     Material housing   Plastic     Locking material   Zinc die-casting	
Status indication LEDyellowDevice protection   ElectricalAdditional condition protection degreeinserted, screwedPollution Degree3Rated surge voltage0,8 kVMaterial group (IEC 60664-1)IMechanical data   Material dataCoating lockingNickeledColor housingblackMaterial gasketPURMaterial housingPlasticLocking materialZinc die-casting	
Device protection   Electrical     Additional condition protection degree   inserted, screwed     Pollution Degree   3     Rated surge voltage   0,8 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   V     Coating locking   Nickeled     Color housing   black     Material gasket   PUR     Material housing   Plastic     Locking material   Zinc die-casting	
Additional condition protection degreeinserted, screwedPollution Degree3Rated surge voltage0,8 kVMaterial group (IEC 60664-1)IMechanical data   Material dataCoating lockingNickeledColor housingblackMaterial gasketPURMaterial housingPlasticLocking materialZinc die-casting	
Pollution Degree   3     Rated surge voltage   0,8 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   I     Coating locking   Nickeled     Color housing   black     Material gasket   PUR     Material housing   Plastic     Locking material   Zinc die-casting	
Rated surge voltage   0,8 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   I     Coating locking   Nickeled     Color housing   black     Material gasket   PUR     Material housing   Plastic     Locking material   Zinc die-casting	
Material group (IEC 60664-1)   I     Mechanical data   Material data     Coating locking   Nickeled     Color housing   black     Material gasket   PUR     Material housing   Plastic     Locking material   Zinc die-casting	
Mechanical data   Material data   Coating locking Nickeled   Color housing black   Material gasket PUR   Material housing Plastic   Locking material Zinc die-casting	
Coating lockingNickeledColor housingblackMaterial gasketPURMaterial housingPlasticLocking materialZinc die-casting	
Color housing black   Material gasket PUR   Material housing Plastic   Locking material Zinc die-casting	
Material gasket PUR   Material housing Plastic   Locking material Zinc die-casting	
Material housing Plastic   Locking material Zinc die-casting	
Locking material Zinc die-casting	
Mechanical data   Mounting data	
Mounting method inserted, screwed	
Environmental characteristics   Climatic	
Operating temperature min25 °C	
Operating temperature max. 85 °C	
Additional condition temperature range depending on cable quality	
Important installation notes	
Note on strain relief     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.	
Note on bending radiusAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.	
Installation   Cable	
Cable identification 216	
Cable Type 1	
Printing color of wire insulation white (isolation black)	
Jacket Color gray	
Amount stranding 1	
Stranding 3 wires twisted	
wire arrangement black 1, black 2, green-yellow	
Cable weigth 63,8 g/m	
Material jacket PVC	
Shore hardness jacket 80 ± 5 Shore A	
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, silicone-free	
Outer-diameter (jacket) 5,9 mm	
Tolerance outer diameter (sheath)± 5 %	
Material wire insulation PVC	
Amount wires 3	
Outer diameter insulation 1,8 mm	
Outer diameter tolerance core insulation ± 5 %	
Shore hardness wire insulation 43 ± 5 Shore D	
Material properties wire insulation good machinability	
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free	
Printing color of wire insulation white (isolation black)	

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Amount strands (wire)	24
Diameter of single wires	0,2 mm
Conductor crosssection (wire)	0,75 mm <sup>2</sup>
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Max. rated voltage (conductor - conductor)	500 V
Max. rated voltage (conductor - ground)	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	12 A
Electrical resistance line constant wire	26 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	3 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	3 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	70 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1090   IEC 60332-2-2   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter

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