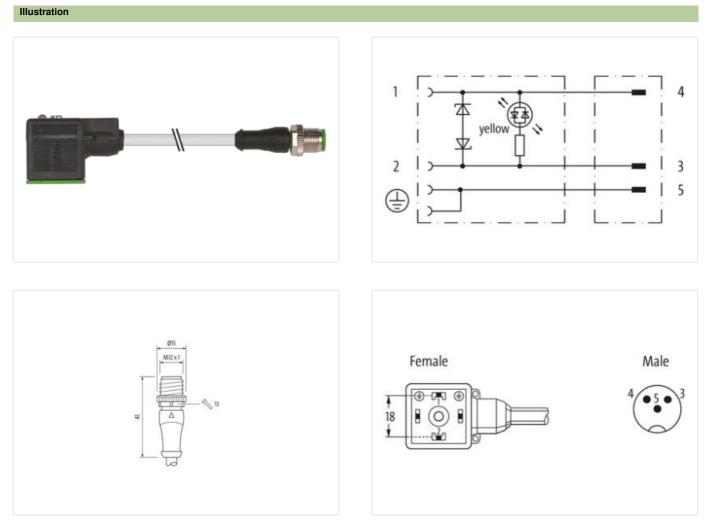


## M12 male 0° A-cod. / MSUD valve plug A-18mm

PUR 3x0.75 gy UL/CSA 0.3m

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	0,3 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	4048879152648
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-oft peak voltage max.     55 V       Current consumption max.     15 mA       Diagnostics     Status indication LED     yellow       Develop protection   Electrical     Additional condition protection degree     inserted, screwed       Pollution Degree     3     Rated surge voltage     0.8 kV       Material group (EC 66664-1)     1     Inserted, screwed     Coating locking       Color housing     0.8 kV     Material group (EC 66664-1)     Inserted, screwed       Color housing     black     Material group (EC 66664-1)     Inserted, screwed       Color housing     black     Material group (EC 66664-1)     Inserted, screwed       Color housing     black     Material gasket     PUR       Material gasket     PUR     Material gasket     PUR       Material pousing     Plastic     Color housing     Inserted, screwed       Environmental characteristics   Climatic     Color housing     Plastic     Color housing       Material pousing <t< th=""></t<>
Operating voltage DC max.     30 V       Cut-off peak voltage max.     55 V       Current operating per contact max.     4 A       Current operating per contact max.     4 A       Diagnostics     Status indication LED     yellow       Device protection J Electrical     Additional condition protection degree     inserted, screwed       Pollution Degree     3     Rated surge voltage     0.8 kV       Material group (IEC 60664-1)     I     Image: Control of Control o
Cut-oft 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   Additional condition protection degree     Additional condition protection degree   3     Rated surge voltage   0.8 kV     Material group (EC 60664-1)   I     Mechanical data   Material data   Coating locking     Coking   Nickeled     Coking   Plastic     Locking   Plastic     Locking   Plastic     Locking material   Zinc die-casting     Mechanical data   Mounting data   inserted, screwed     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature min.   -25 ° C     Operating temperature range   depending on cable quality     Important installation notes   Mouting radius     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on berding radius   Attention: Observe the permissible bonding radii when laying cables, as the IP protection class c
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)   1     Material posing   Dlack     Material posing   Dlack     Material posing   Plastic     Locking material   Zinc dio-casting     Material posing   Plastic     Locking material   Zinc dio-casting     Mounting method   inserted, screwed     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature min.   -25 °C     Operating temperatur
Current consumption max.   15 mA     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)   1   Important inserted, screwed     Coating locking   Nickeled   Coating locking   Dack     Coating locking   Dack   Important inserted, screwed   Device material     Material gaset   PUR   Important inserted, screwed   Device material   Coating locking   Dack     Material gaset   PUR   Important inserted, screwed   Environmental characteristics   Climatic   Coating inserted, screwed   Environmental characteristics   Climatic     Coperating mature min.   -25 °C   Operating temperature min.   -25 °C     Operating temperature max.   85 °C   Additional condition temperature mage   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 radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive ben
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)     1       Mechanical data   Material data     ////////////////////////////////////
Status indication LED yellow   Device protection   Electrical inserted, screwed   Additional condition protection degree isserted, screwed   Pollution Degree 3   Rated surge voltage 0,8 kV   Material group (IEC 60664-1) 1   Mechanica data   Material data Image: Control of the stress
Device protection   Electrical       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       Coating locking     Nickeled       Color housing     black       Material gasket     PUR       Material gasket     PUR       Material data   Mounting data     Zinc clie-casting       Mechanical data   Mounting data     Mounting method       Mounting method     inserted, screwed       Environmental characteristics   Climatic     Operating temperature min.       -25 °C     Operating temperature max.       Additional condition temperature range     depending on cable quality       Important installation notes     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 banding radius     Attention:: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Installation   Cable     26       Cable identif
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     Coating locking   Nickeled     Color housing   black     Material gasket   PUR     Material asket   PUR     Material housing   Plastic     Locking material   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed     Environmental characteristics   Climatic   Operating temperature min.     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Inserted the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Installation   Cable   Zindering temperature as the IP protection class can be endangered by excessive bending forces.     Installation   Cable   Zindering temperature as the IP protection class can be endangered by excessive bending forces.
Pollution Degree   3     Rated surge voltage   0,8 kV     Material group (IEC 60664-1)   1     Mechanical data   Material data   Coating locking     Coating locking   Nickeled     Color housing   black     Material gasket   PUR     Material housing   Plastic     Locking material   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed     Environmental characteristics   Climatic   Operating temperature min.     -25 °C   Operating temperature max.     Additional condition temperature range   depending on cable quality     Important installation notes   Note on strain relief     Note on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.     Installation   Cable   226     Cable identification   226     Cable identification   22     Jacket Color   gray
Rated surge voltage   0,8 kV     Material group (IEC 60664-1)   I     Mechanical data   Material data   Coating locking   Nickeled     Coating locking   black   Material gasket   PUR     Material gasket   PUR   Material housing   Plastic     Locking material   Zinc die-casting   Material fousing   Coating fourier data     Mounting method   inserted, screwed   Environmental characteristics   Climatic   Coperating temperature min.   -25 °C     Operating temperature max.   85 °C   Additional condition temperature range   depending on cable quality     Important installation notes   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.     Installation   Cable   Cable identification   226     Cable identification   226   Cable Type   2     Jacket Color   gray   gray   1
Material group (IEC 60664-1)   I     Mechanical data   Material data   Coating locking   Nickeled     Color housing   black     Material gasket   PUR     Material gasket   PUR     Material housing   Plastic     Locking material   Zinc die-casting     Mechanical data   Mounting data   Mounting method     Mounting method   inserted, screwed     Environmental characteristics   Climatic   Coperating temperature min.     Operating temperature max.   85 °C     Additional condition temperature nage   depending on cable quality     Important installation notes   Note on strain relief     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.     Installation   Cable   226     Cable identification   226     Cable identification   226     Cable identification   226     Cable Color   gray
Mechanical data   Material dataCoating lockingNickeledColor housingblackMaterial gasketPURMaterial gasketPURMaterial housingPlasticLocking materialZinc die-castingMechanical data   Mounting dataInserted, screwedEnvironmental characteristics   ClimaticCoating underging on cable qualityOperating temperature min25 °COperating temperature max.85 °CAdditional condition temperature argedepending on cable qualityImportant installation notesAttention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.Installation   Cable226Cable identification226Cable Type2Jacket Colorgray
Coating locking     Nickeled       Color housing     black       Material gasket     PUR       Material housing     Plastic       Locking material     Zinc die-casting       Mechanical data   Mounting data     Mounting method       Mounting method     inserted, screwed       Environmental characteristics   Climatic     Operating temperature min.       -25 °C     Operating temperature max.       -25 °C
Color housing     black       Material gasket     PUR       Material gasket     Plastic       Locking material     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed       Environmental characteristics   Climatic     Operating temperature min.       -25 °C     Operating temperature max.       Additional condition temperature range     depending on cable quality       Important installation notes     Note on strain relief       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Installation   Cable     226       Cable identification     226       Cable Type     2       Jacket Color     gray
Material gasket     PUR       Material housing     Plastic       Locking material     Zinc die-casting       Mechanical data   Mounting data     Inserted, screwed       Mounting method     inserted, screwed       Environmental characteristics   Climatic     Operating temperature min.       -25 °C     Operating temperature max.       Additional condition temperature range     depending on cable quality       Important installation notes     Note on strain relief       Note on bending radius     Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.       Installation   Cable     226       Cable identification     226       Cable Type     2       Jacket Color     gray
Material housing     Plastic       Locking material     Zinc die-casting       Mechanical data   Mounting data     inserted, screwed       Environmental characteristics   Climatic     Operating temperature min.       -25 °C     Operating temperature max.       Additional condition temperature range     depending on cable quality       Important installation notes     Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.       Note on bending radius     Attention: Observe the permissible bending forces.       Installation   Cable     226       Cable identification     226       Cable Type     2       Jacket Color     gray
Locking material   Zinc die-casting     Mechanical data   Mounting data   inserted, screwed     Environmental characteristics   Climatic   conting method   inserted, screwed     Operating temperature min.   -25 °C   conting on cable quality     Operating temperature max.   85 °C   depending on cable quality     Important installation notes   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Installation   Cable   Zincet (Cable Type)   226     Cable identification   226     Gable Type   2     Jacket Color   gray
Mechanical data   Mounting data   inserted, screwed     Mounting method   inserted, screwed     Environmental characteristics   Climatic   Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Note on strain relief     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.     Installation   Cable   226     Cable identification   226     Cable Type   2     Jacket Color   gray
Mounting methodinserted, screwedEnvironmental characteristics   ClimaticOperating temperature min25 °COperating temperature max.85 °CAdditional condition temperature rangedepending on cable qualityImportant installation notesNote on strain reliefProtect 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   Cable226Cable identification226Cable Type2Jacket Colorgray
Environmental characteristics   Climatic     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.     Installation   Cable   Cable identification     Cable identification   226     Cable Type   2     Jacket Color   gray
Environmental characteristics   Climatic     Operating temperature min.   -25 °C     Operating temperature max.   85 °C     Additional condition temperature range   depending on cable quality     Important installation notes   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.     Installation   Cable   Cable identification     Cable identification   226     Cable Type   2     Jacket Color   gray
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Additional condition temperature range   depending on cable quality     Important installation notes   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.     Installation   Cable   226     Cable identification   226     Cable Type   2     Jacket Color   gray
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 radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.     Installation   Cable   226     Cable identification   226     Cable Type   2     Jacket Color   gray
Note on strain relief   Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.     Note on bending radius   Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.     Installation   Cable   226     Cable identification   22     Jacket Color   gray
Note on bending radius Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.   Installation   Cable Zable identification 226   Cable Type 2 2   Jacket Color gray gray
Installation   Cable   Cable identification 226   Cable Type 2   Jacket Color gray
Cable identification226Cable Type2Jacket Colorgray
Cable Type 2   Jacket Color gray
Jacket Color gray
Type of Certificate cURus
••
Amount stranding 1
Stranding 3 wires twisted
wire arrangement black 1, black 2, green-yellow
Cable weigth 55,33 g/m
Material jacket PUR
Shore hardness jacket 85 ± 5 Shore A
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket) 5,9 mm
Tolerance outer diameter (sheath)± 5 %
Material inner jacket PVC
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
Ingredient freeness wire insulation lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire) 42
Diameter of single wires 0,15 mm

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Conductor crosssection (wire)	0,75 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	strand class 6
Nominal voltage AC max.	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)	2 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-5 °C
Operating temperature max. (dynamic)	80 °C
UV resistance	DIN EN ISO 4892-2 A
Flame resistance	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	10 x Outer diameter
Bending radius (dynamic)	15 x Outer diameter
Travel speed (C-track)	2 Mio. @ 25 °C

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