

**MSUD double valve BI-11mm with cable**

PVC 4x0.75 gy 3m

Form BI (11 mm)

24 V AC  $\pm 20\%$  / DC  $\pm 25\%$ 

LED and suppression

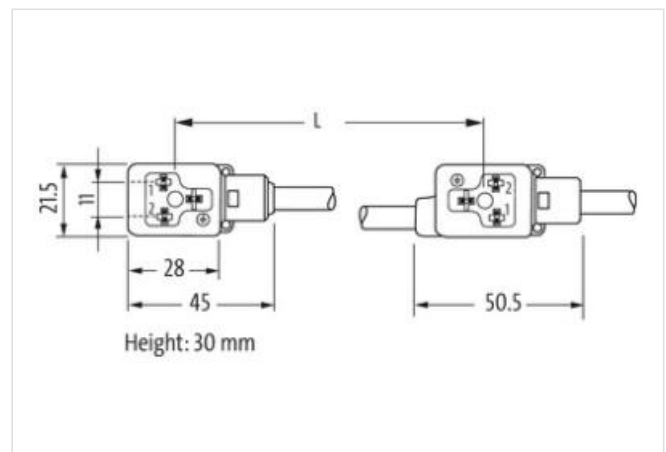
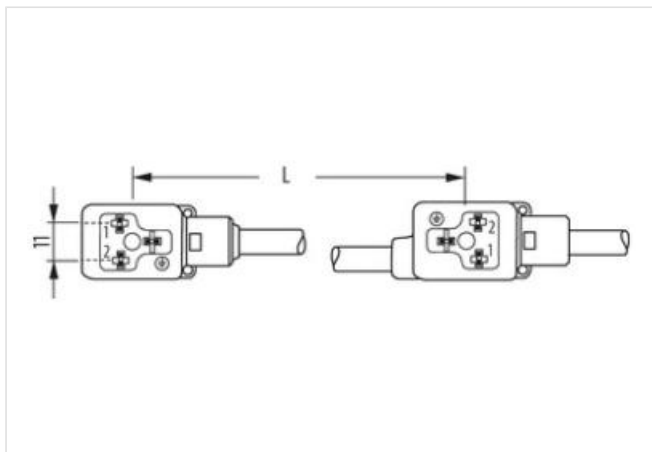
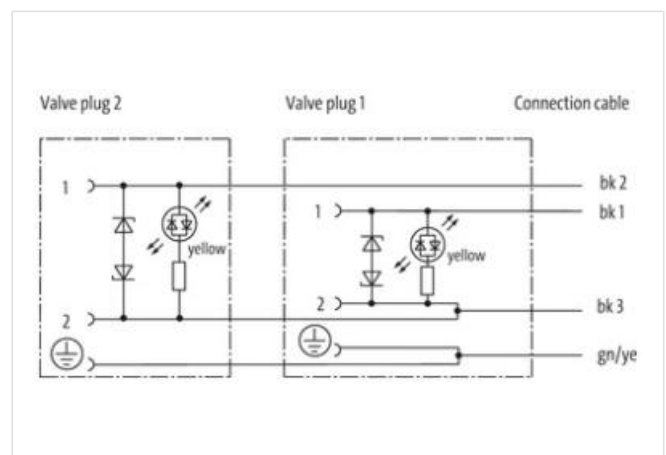
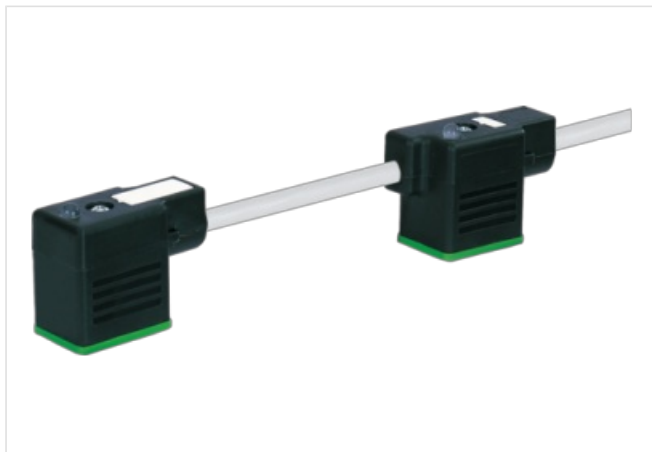
Connection cable L = 200 mm

without cable sleeves

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](#)**Illustration**

Product may differ from Image



Cable length

3 m

**Side 1**

Tightening torque	0,4 Nm
-------------------	--------

Thread	M3
--------	----

Material	PBT
----------	-----

#### Side 2

Tightening torque	0,4 Nm
-------------------	--------

Thread	M3
--------	----

Material	PBT
----------	-----

#### Commercial data

ECLASS-6.0	27279218
------------	----------

ECLASS-6.1	27279218
------------	----------

ECLASS-7.0	27279218
------------	----------

ECLASS-8.0	27279218
------------	----------

ECLASS-9.0	27060312
------------	----------

ECLASS-10.1	27060312
-------------	----------

ECLASS-11.1	27060312
-------------	----------

ECLASS-12.0	27060312
-------------	----------

ETIM-5.0	EC001855
----------	----------

customs tariff number	85444290
-----------------------	----------

GTIN	4048879136280
------	---------------

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
---------------------------	--------

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	yellow
-----------------------	--------

#### Device protection | Electrical

Degree of protection (EN IEC 60529)	IP67
-------------------------------------	------

Additional condition protection degree	inserted, screwed
--	-------------------

Pollution Degree	3
------------------	---

Rated surge voltage	0,8 kV
---------------------	--------

Material group (IEC 60664-1)	I
------------------------------	---

Additional suppressor	Diode, Z-Diode
-----------------------	----------------

#### Mechanical data

Contour for corrugated hose	without
-----------------------------	---------

#### Mechanical data | Material data

Coating locking	verzinkt
-----------------	----------

Color housing	black
---------------	-------

Material gasket	PUR
-----------------	-----

Locking material	Steel
------------------	-------

#### Mechanical data | Mounting data

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	Protect the connectors by suitable measures from mechanical loads, e.g. by the usage of cable ties.
Note on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Installation   Cable	
Cable identification	217
Cable Type	1
Printing color of wire insulation	white (isolation black)
Jacket Color	gray
Amount stranding	1
Stranding	4 wires twisted
wire arrangement	black 1, black 2, black 3, green-yellow
Cable weight	75,9 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)	6,5 mm
Tolerance outer diameter (sheath)	± 5 %
Material wire insulation	PVC
Amount wires	4
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)
Amount strands (wire)	24
Diameter of single wires	0,2 mm
Conductor crosssection (wire)	0,75 mm²
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	9,6 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	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter