

## M8 male 0° 3p. / MSUD valve plug form A 18mm

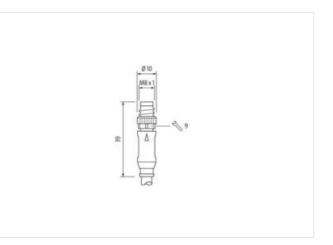
PUR 3x0.34 gy UL/CSA+drag ch. 1,5m

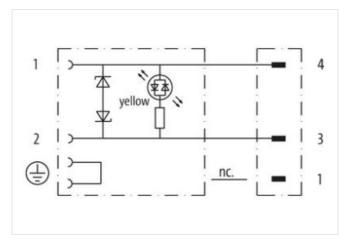
MSUD Further cable lengths on request. Form A (18 mm) 4-pole Male M8 straight 3-pole 24 V AC ±20% / DC ±25% Z-Diode + LED Art-No. 7005 - M8 Lite - (plastic hexagonal screw) on request

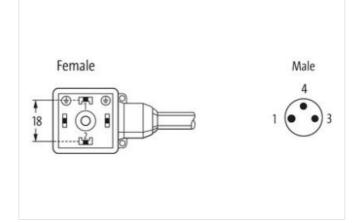
## Link to Product

Illustration









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Product may differ from Image



Coaling contact     silver-plated       Family construction form     MSUD       Thread     M3       suitable for corrugated tube (internal Ø)     6,5 mm       Material contact     Copper alloy       Material contact     Copper alloy       Material contact     PUR       No. of poles     4       Side 2		
Tiphening torque0.4 NmMounting methodinserted, screwedCoating contactsilver-platedFamily construction formMSUDThreadM3suitable for corrugated tube (internal 00)6.5 mmMaterial contactCopper alloyMaterialPURNo. of poles4Side 2TortandTiphening torque0.4 NmMounting methodinserted, screwedCoating contactgold platedFamily construction formM8ThreadM8 x 1MaterialPBTNo. of poles3ThreadM8 x 1MaterialPBTNo. of poles3StoresStoresCoating contactStoresCoating contactStoresMaterialPBTNo. of poles3StoresStoresContact27279218ECLASS-0.027279218ECLASS-0.1027060312ECLASS-10.127060312ECLASS-11.127060312ECLASS-12.027060312ETIM-5.0ECON185Gustom stariff number85444290GTIN406590900189	Cable length	1,5 m
Muniting method     inserted, screwed       Coating contact     silver-plated       Family construction form     MSUD       Thread     M3       suitable for corrugated tube (internal Ø)     6.5 mm       Material contact     Copper alloy       Material contact     Copper alloy       Material contact     PUR       No. of poles     4       Side Z     Tightening torque       Tightening torque     0.4 Nm       Mounting method     inserted, screwed       Coating contact     gold plated       Family construction form     M8       Material contact     Copper alloy       Material contact     Copper alloy       Material contact     Copper alloy       Material contact     Copper alloy       Moting method     inserted, screwed       No. of poles     3       Width accoss flats     SW9       Coating contact     Copper alloy       Material contact     Z7279218       ECLASS-10.1     Z7279218       ECLASS-10.1     Z7060312       ECLASS-10.1	Side 1	
Coaling contact     silver-plated       Family construction form     MSUD       Thread     M3       suitable for corrugated tube (internal Ø)     6,5 mm       Material contact     Copper alloy       Material     PUR       No. of poles     4       Side 2	Tightening torque	0,4 Nm
Family construction form     MSUD       Thread     M3       suitable for corrugated tube (internal Ø)     6,5 mm       Material contact     Copper alloy       Material contact     PUR       No. of poles     4       Side 2       Tightening torque     0,4 Nm       Mouting method     inserted, screwed       Coating contact     gold plated       Family construction form     M8       Thread     M8 x 1       Material contact     Copper alloy       Material contact     Copper alloy       Material contact     BPT       No. of poles     3       Width across flats     SW9       Commercial data     27279218       ECLASS-0.0     27279218       ECLASS-0.0     27279218       ECLASS-0.0     27260311       ECLASS-10.1     27060312       ECLASS-10.1     27060312       ECLASS-10.2     27060312       ECLASS-10.3     27060312       ECLASS-10.4     27060312       ECLASS-10.5     EC001855 <td>Mounting method</td> <td>inserted, screwed</td>	Mounting method	inserted, screwed
Thread     M3       suitable for corrugated tube (internal Ø)     6.5 mm       Material contact     Copper alloy       Material     PUR       No. of poles     4       Side 2	Coating contact	silver-plated
suitable for corrugated tube (internal Ø)6,5 mmMaterial contactCopper alloyMaterialPURNo. of poles4Side 2UUSide 2UOutput0.4 NmMounting methodInserted, screwedCoating contactgold platedFamily construction formM8ThreadM8 x 1Material contactCopper alloyMaterialPBTNo. of poles3Commercial dataECLASS 6.02779218ECLASS 6.02779218ECLASS 9.027060312ECLASS 1.127060312ECLASS 1.127060312ECLASS 1.127060312ECLASS 1.127060312ECLASS 1.127060312ECLASS 1.127060312ECLASS 1.22001855CountersColspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2">Colspan="2"Colspan="2"Cols	Family construction form	MSUD
Material     Copper alloy       Material     PUR       No. of poles     4       Side 2	Thread	M3
Material     PUR       No. of poles     4       Side 2	suitable for corrugated tube (internal $Ø$ )	6,5 mm
No. of poles4Side 2Tightening torque0,4 NmMounting methodinserted, screwedCoating contactgold platedFamily construction formM8ThreadM8 x 1Material contactCopper alloyMaterialPBTNo. of poles3Width across flatsSW9Connercial data27279218ECLASS-6.027279218ECLASS-7.027279218ECLASS-9.027060311ECLASS-10.127060312ECLASS-11.127060312ECLASS-12.027060312ETIM-5.0ECON1855customs tariff number85444290GTIN406590903189	Material contact	Copper alloy
Side 2Tightening torque0,4 NmMounting methodinserted, screwedCoating contactgold platedFamily construction formM8ThreadM8 x 1Material contactCopper alloyMaterialPBTNo. of poles3Width across flatsSW9Commercial data27279218ECLASS-6.027279218ECLASS-7.027279218ECLASS-10.127060312ECLASS-11.127060312ECLASS-12.027060312ECLASS-12.027060312ETIM-5.0EC011855customs tariff number85444290GTIN4065909030189	Material	PUR
Tightening torque     0,4 Nm       Mounting method     inserted, screwed       Coating contact     gold plated       Family construction form     M8       Thread     M8 x 1       Material contact     Copper alloy       Material     PBT       No. of poles     3       Width across flats     SW9       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       ECLASS-12.0     EC001855       customs tariff number     85444290       GTIN     406590903189	No. of poles	4
Mounting method     inserted, screwed       Coating contact     gold plated       Family construction form     M8       Thread     M8 x 1       Material contact     Copper alloy       Material     PBT       No. of poles     3       Width across flats     SW9       Commercial data       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-8.0     27279218       ECLASS-9.0     27260311       ECLASS-10.1     27060312       ECLASS-11.1     27060312       ECLASS-12.0     27060312       ECLASS-12.0     EC01855       customs tariff number     85444290       GTIN     4065909030189	Side 2	
Coating contact     gold plated       Family construction form     M8       Thread     M8 × 1       Material contact     Copper alloy       Material     PBT       No. of poles     3       Width across flats     SW9       Commercial data     27279218       ECLASS-6.0     27279218       ECLASS-9.0     27279218       ECLASS-9.0     27060311       ECLASS-1.1     27060312       ECLASS-1.2.0     27060312       ECLASS-1.2.0     27060312       ECLASS-1.2.0     27060312       ETIM-5.0     EC001855       customs tariff number     85444290       GTIN     4065909030189	Tightening torque	0,4 Nm
Family construction form     M8       Thread     M8 x 1       Material contact     Copper alloy       Material     PBT       No. of poles     3       Width across flats     SW9       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       ECLASS-12.0     27060312       ECLASS-12.0     27060312       ETIM-5.0     EC001855       customs tariff number     85444290       GTIN     4065909030189	Mounting method	inserted, screwed
Thread     M8 x 1       Material contact     Copper alloy       Material     PBT       No. of poles     3       Width across flats     SW9       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     ECO11855       customs tariff number     85444290       GTIN     4065909030189	Coating contact	gold plated
Material contact     Copper alloy       Material     PBT       No. of poles     3       Width across flats     SW9       Commercial data     27279218       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       ECLASS-12.0     27060312       ETIM-5.0     EC001855       customs tariff number     85444290       GTIN     4065909030189	Family construction form	M8
Material     PBT       No. of poles     3       Width across flats     SW9       Commercial data     ECLASS-6.0       ECLASS-6.0     27279218       ECLASS-7.0     27279218       ECLASS-8.0     27279218       ECLASS-9.0     27060311       ECLASS-9.0     27060312       ECLASS-1.1     27060312       ECLASS-1.2.0     27060312       ETIM-5.0     EC001855       customs tariff number     8544290       GTIN     4065909030189	Thread	M8 x 1
No. of poles     3       Width across flats     SW9       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     4065909030189	Material contact	Copper alloy
Width across flats     SW9       Commercial data     E       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     406590903189	Material	PBT
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     8544290       GTIN     4065909030189	No. of poles	3
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     8544290       GTIN     4065909030189	Width across flats	SW9
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     4065909030189	Commercial data	
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     8544290       GTIN     4065909030189	ECLASS-6.0	27279218
ECLASS-9.0     27060311       ECLASS-10.1     27060312       ECLASS-11.1     27060312       ECLASS-12.0     27060312       ETIM-5.0     EC001855       customs tariff number     8544290       GTIN     4065909030189	ECLASS-7.0	27279218
ECLASS-10.1     27060312       ECLASS-11.1     27060312       ECLASS-12.0     27060312       ETIM-5.0     EC001855       customs tariff number     85444290       GTIN     4065909030189	ECLASS-8.0	27279218
ECLASS-11.1     27060312       ECLASS-12.0     27060312       ETIM-5.0     EC001855       customs tariff number     85444290       GTIN     4065909030189	ECLASS-9.0	27060311
ECLASS-12.0     27060312       ETIM-5.0     EC001855       customs tariff number     85444290       GTIN     4065909030189	ECLASS-10.1	27060312
ETIM-5.0     EC001855       customs tariff number     8544290       GTIN     4065909030189	ECLASS-11.1	27060312
customs tariff number     85444290       GTIN     4065909030189	ECLASS-12.0	27060312
GTIN 4065909030189	ETIM-5.0	EC001855
	customs tariff number	85444290
Packaging unit 1	GTIN	4065909030189
	Packaging unit	1

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## Electrical data | Supply

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)	IP65, IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Material group (IEC 60664-1)	
Additional suppressor	Diode, Z-Diode
Mechanical data   Material data	
Coating locking	Nickeled
Color housing	black
Material gasket	PUR
Material housing	Plastic
Locking material	Zinc die-casting
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	Attention: Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-114 (M8)
Installation   Cable	
wire arrangement	brown, black, blue
Cable identification	233
Cable Type	3
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
wire arrangement	brown, black, blue
Cable weigth	29,7 g/m
Material jacket	PUR
Material jacket Shore hardness jacket	PUR 90 ± 5 Shore A

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Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	3
Outer diameter insulation	1,25 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	70 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	42
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,34 mm <sup>2</sup>
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	6 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2,5 kV @ 60 s
Power frequency withstand voltage (wire - jacket)	2,5 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C / 90 °C @ 10000 h Operation
Operating temperature min. (dynamic)	-25 °C
Operating temperature max. (dynamic)	80 °C / 90 °C @ 10000 h Operation
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
No. of bending cycles (C-track)	10 Mio. @ 25 °C
Traversing distance (C-track)	10 m @ 25 °C   horizontal
Travel speed (C-track)	3 m/s @ 25 °C
No. of torsion cycles	2 Mio.
Torsion stress	± 180 °/m
Torsion speed	35 cycles/min

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