

M12 male 0° A-cod. / MSUD valve plug CI-9.4mm

PVC 3x0.75 ye 3.5m

MSUD

Form CI (9.4 mm) - M12, male straight 24 V AC ±20% / DC ±25%

LED and suppression

Further cable lengths on request.

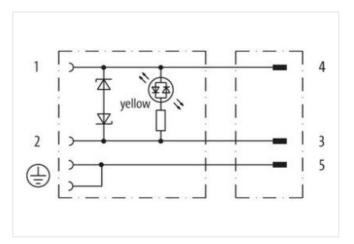
Plastic housings with good resistance against chemicals and oils.

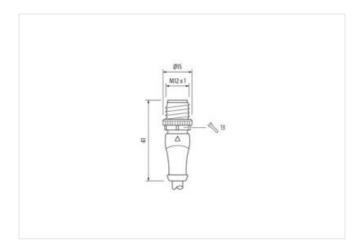
The resistance to aggressive media should be individually tested for your application. Further details on request.

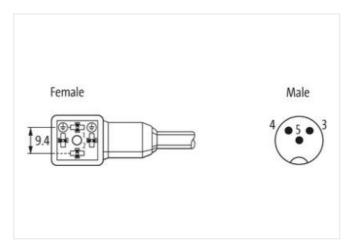
Link to Product

Illustration



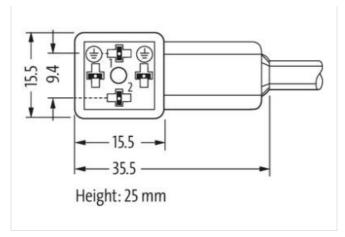








stay connected



Product may differ from Image



Family construction form MSUD CI Thread M3 No. of poles 4 Degree of protection (EN IEC 60529) IP67 Side 2 Tightening torque 0.6 Nm Family construction form M12 Thread M12 x 1 suitable for corrugated tube (internal Ø) 10 mm Coding A No. of poles 3 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Commercial data ECLASS-6.0 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 ECLASS-12.0 27060312 ECLASS-14.0 E001855 Coustoms tariff number 85444290 GTIN 4048879147132 Packaging unit 1 Electrical data	Cable length	3,5 m
Family construction form MSUD CI Thread M3 No. of poles 4 Degree of protection (EN IEC 60529) IP67 Side 2 Tightening torque 0,6 Nm Family construction form M12 x 1 Strain (Internal Ø) 10 mm Coding A No. of poles 3 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 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 ECLASS-14.0 27060312 ECLASS-14.0 404887814732 Packaging unit 1 Electrical data Capacity CX 20 ms	Side 1	
Thread M3 No. of poles 4 Degree of protection (EN IEC 60529) IP67 Side 2 Tightening torque 0,6 Nm Family construction form M12 Thread M12 x 1 suitable for corrugated tube (internal Ø) 10 mm Coding A No. of poles 3 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-6.1 27279218 ECLASS-8.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27279218 ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-13.0 4048879147132 Packaging unit 1 Electrical data Eclatical data Eclatical data Eclatical data Eclatical data	Tightening torque	0,4 Nm
No. of poles 4 Degree of protection (EN IEC 60529) IP67 Side 2 Tightening torque 0,6 Nm Family construction form M12 Thread M12 x 1 suitable for corrugated tube (internal O) 10 mm Coding A No. of poles 3 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27279218 ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECL	Family construction form	MSUD CI
Degree of protection (EN IEC 60529) IP67 Side 2 Permit construction form M12 Thread M12 x 1 Suitable for corrugated tube (internal Ø) 10 mm Coding A No. of poles 3 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Commercial data ECLASS-6.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-10.1 26060312 ECLASS-10.1 27060312 ECLASS-10.2 27060312 ECLASS-10.3 27060312 ECLASS-10.4 27060312 ECLASS-10.1 2706031	Thread	M3
Side 2 Tightening torque 0,6 Nm Family construction form M12 Thread M12 x 1 suitable for corrugated tube (internal Ø) 10 mm Coding A No. of poles 3 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-9.0 27060312 ECLASS-11.1 27060312 ECLASS-11.5 27060312 ECLASS-12.0 27060312 ECLASS-12.0 27060312 ECLASS-12.0 4048879147132 Packaging unit 1 Electrical data Capacity CX 20 ms	No. of poles	4
Tightening torque 0,6 Nm Family construction form M12 Thread M12 x 1 suitable for corrugated tube (internal Ø) 10 mm Coding A No. of poles 3 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27279218 ECLASS-9.0 27060312 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 4048879147132 Packaging unit 1 Electrical data Ecletrical data ECLACSS-00 ECONSS-00 ECONSS-	Degree of protection (EN IEC 60529)	IP67
Family construction form M12 Thread M12 x 1 suitable for corrugated tube (internal Ø) 10 mm Coding A No. of poles 3 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27279218 ECLASS-9.0 27060312 ECLASS-1.1 27060312 ECLASS-1.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879147132 Packaging unit 1 Electrical data Capacity CX 20 ms	Side 2	
Thread M12 x 1 suitable for corrugated tube (internal Ø) 10 mm Coding A No. of poles 3 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-9.0 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ECLASS-17.0 27060312 ECLASS-10.0 27060312 ECLASS-10.0 27060312 ECLASS-10.0 27060312 ECLASS	Tightening torque	0,6 Nm
suitable for corrugated tube (internal Ø) 10 mm Coding A No. of poles 3 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-9.0 27060312 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 4048879147132 Packaging unit 1 Electrical data Capacity CX 20 ms	Family construction form	M12
Coding A No. of poles 3 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 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 4048879147132 Packaging unit 1 Electrical data Capacity CX 20 ms	Thread	M12 x 1
No. of poles 3 Width across flats SW13 Degree of protection (EN IEC 60529) IP67 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 4048879147132 Packaging unit 1 Electrical data Capacity CX Capacity CX 20 ms	suitable for corrugated tube (internal \emptyset)	10 mm
Width across flats SW13 Degree of protection (EN IEC 60529) IP67 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 4048879147132 Packaging unit 1 Electrical data Capacity CX 20 ms	Coding	A
Degree of protection (EN IEC 60529) IP67 Commercial data ECLASS-6.0 27279218 ECLASS-6.1 27279218 ECLASS-7.0 27279218 ECLASS-7.0 27279218 ECLASS-8.0 27279218 ECLASS-9.0 27060312 ECLASS-9.0 ECLASS-9.0 ECLASS-9.0 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-11.0 ECLASS-12.0 ECLASS-12.0 ECO01855 customs tariff number 85444290 GTIN 4048879147132 Packaging unit 1 Electrical data Capacity CX 20 ms		
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 4048879147132 Packaging unit 1 Electrical data 20 ms	Width across flats	SW13
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 4048879147132 Packaging unit 1 Electrical data Capacity CX 20 ms	Degree of protection (EN IEC 60529)	IP67
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-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879147132 Packaging unit 1 Electrical data Capacity CX 20 ms	Commercial data	
ECLASS-7.0 27279218 ECLASS-8.0 27060312 ECLASS-10.1 27060312 ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879147132 Packaging unit 1 Electrical data Capacity CX 20 ms	ECLASS-6.0	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 4048879147132 Packaging unit 1 Electrical data Capacity CX 20 ms	ECLASS-6.1	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 4048879147132 Packaging unit 1 Electrical data Capacity CX 20 ms	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 4048879147132 Packaging unit 1 Electrical data Capacity CX 20 ms	ECLASS-8.0	27279218
ECLASS-11.1 27060312 ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879147132 Packaging unit 1 Electrical data Capacity CX 20 ms	ECLASS-9.0	27060312
ECLASS-12.0 27060312 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879147132 Packaging unit 1 Electrical data Capacity CX 20 ms	ECLASS-10.1	27060312
ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879147132 Packaging unit 1 Electrical data Capacity CX 20 ms	ECLASS-11.1	
customs tariff number 85444290 GTIN 4048879147132 Packaging unit 1 Electrical data Capacity CX 20 ms		
GTIN 4048879147132 Packaging unit 1 Electrical data Capacity CX 20 ms	ETIM-5.0	EC001855
Packaging unit 1 Electrical data Capacity CX 20 ms	customs tariff number	
Electrical data Capacity CX 20 ms	GTIN	4048879147132
Capacity CX 20 ms	Packaging unit	1
	Electrical data	
Electrical data Supply	Capacity CX	20 ms
	Electrical data Supply	



stay connected

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
Diagnostics	
Status indication LED	yellow
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	0,8 kV
Mechanical data Material data	
Color housing	black
Material housing	Plastic
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 61076-2-101 (M12); DIN EN 175301-803 (Ventilstecker)
Installation Cable	
Cable identification	016
Cable Type	1
Printing color of wire insulation	white (isolation black)
Jacket Color	yellow
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)

The information in this Product-PDF has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2024-05-17



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	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	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
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