

M12 male 0° / M12 female 0° B-cod. shielded

PUR AWG24+22 shielded vt UL/CSA+drag ch. 4m

Male straight – female straight M12 – M12, 4-pole B-coded shielded with cable sleeves

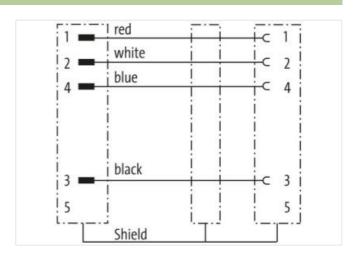
Plastic housings with good resistance against chemicals and oils.

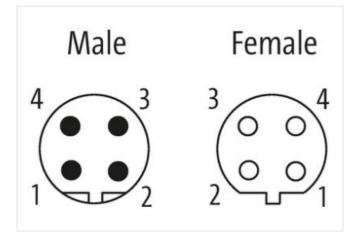
The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

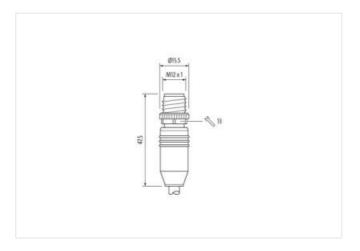
Link to Product

Illustration



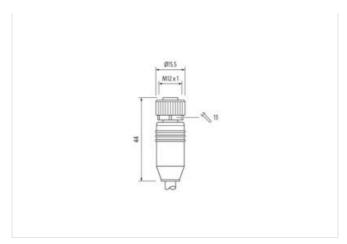








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Product may differ from Image





Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Coding B Material PUR No. of poles 4 Width across flats SW13 Side 2 Tightening torque 0.6 Nm Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Coding B Material PUR No. of poles 4 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-10.1 26000307 ECLASS-12.0 27060307 ECLASS-10.1 240000307	Cable length	4 m	
Inserted, screwed	Side 1		
Family construction form M12 Thread M12 x 1 Coding B Material PUR No. of poles 4 Width across flats SW13 Side 2 Tightening torque Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Coding B Material PUR No. of poles 4 Commercial dat ECLASS-6.0 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-10.2 27060307 ECLASS-10.3 27060307 ECLASS-10.1 27060307 ECLASS-10.2 27060307 ECLASS-10.3 27060307 ECLASS-10.4 27060307 ECLASS-10.5 27060307 ECLASS-10.1 27060307 ECLASS-10	Tightening torque	0,6 Nm	
Thread M12 x 1 Coding B Material PUR No. of poles 4 Width across flats SW13 Side 2 Tightening torque 0.6 Nm Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Coding B Material PUR No. of poles 4 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1 27060307 ECLASS-1.1.1 27060307 ECLASS-1.2.0 27060307 ECLASS-1.1.1 27060307 ECLASS-1.2.0 27060307 ECLASS-1.2.0 27060307 ECLASS-1.2.0 27060307 ECLASS-1.2.0 27060307 ECLASS-1.2.0 27060307 EC	Mounting method	inserted, screwed	
Coding B Material PUR No. of poles 4 Width across flats SW13 Side 2 Tightening torque Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Coding B Material PUR No. of poles 4 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1.1 27060307 ECLASS-11.2 27060307 ECLASS-12.0 <	Family construction form	M12	
Material PUR No. of poles 4 Width across flats SW13 Side 2 Tightening torque 0.6 Nm Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Coding B Material PUR No. of poles 4 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879335935 Packaging unit 1	Thread	M12 x 1	
No. of poles 4 Width across flats SW13 Side 2 Tightening torque 0,6 Nm Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Coding B Material PUR No. of poles 4 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879335935 Packaging unit 1	Coding	В	
With across flats SW13 Side 2 Commercial data Family construction form M12 Thread M12 x 1 Coding B Material PUR No. of poles 4 ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-1.1 27060307 ECLASS-1.2.0 27060307 ECLASS-1.1.1 27060307 ECLASS-1.2.0 27060307 ECLASS-1.2.0 27060307 ETIM-5.0 ECOM385 customs tariff number 85444290 GTIN 4048879335935 Packaging unit 1	Material	PUR	
Side 2 Tightening torque 0,6 Nm Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Coding B Material PUR No. of poles 4 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 25060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECIASS-12.0 25060307 ECIASS-12.0 27060307 ECIASS-12.0 25060307 ECIASS-10.1 27060307 ECIASS-10.1 27060307 ECIASS-10.1 27060307 ECIASS-10.1 27060307 ECIASS-10.1	No. of poles	4	
Tightening torque 0.6 Nm Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Coding B Material PUR No. of poles 4 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ECTASS-10.1 27060307 ECLASS-10.1 27060307	Width across flats	SW13	
Mounting method inserted, screwed Family construction form M12 Thread M12 x 1 Coding B Material PUR No. of poles 4 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879335935 Packaging unit 1	Side 2		
Family construction form M12 Thread M12 x 1 Coding B Material PUR No. of poles 4 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879335935 Packaging unit 1	Tightening torque	0,6 Nm	
Thread M12 x 1 Coding B Material PUR No. of poles 4 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-10.0 27060307 EC	Mounting method	inserted, screwed	
Coding B Material PUR No. of poles 4 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879335935 Packaging unit 1	Family construction form	M12	
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No. of poles 4 Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879335935 Packaging unit 1	Coding	В	
Commercial data ECLASS-6.0 27061801 ECLASS-6.1 27060307 ECLASS-7.0 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879335935 Packaging unit 1	Material	PUR	
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ECLASS-6.1 27060307 ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-11.1 27060307 ECLASS-11.0 27060307 ECLASS-12.0 27060307 ECLASS-12.0 4048879335935 Packaging unit 1	Commercial data		
ECLASS-7.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879335935 Packaging unit 1	ECLASS-6.0	27061801	
ECLASS-8.0 27060307 ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879335935 Packaging unit 1	ECLASS-6.1	27060307	
ECLASS-9.0 27060307 ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879335935 Packaging unit 1	ECLASS-7.0	27060307	
ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879335935 Packaging unit 1	ECLASS-8.0	27060307	
ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879335935 Packaging unit 1	ECLASS-9.0	27060307	
ECLASS-12.0 27060307 ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879335935 Packaging unit 1	ECLASS-10.1	27060307	
ETIM-5.0 EC001855 customs tariff number 85444290 GTIN 4048879335935 Packaging unit 1	ECLASS-11.1	27060307	
customs tariff number 85444290 GTIN 4048879335935 Packaging unit 1	ECLASS-12.0	27060307	
GTIN 4048879335935 Packaging unit 1	ETIM-5.0	EC001855	
Packaging unit 1	customs tariff number	85444290	
	GTIN	4048879335935	
Electrical data Supply	Packaging unit	1	
	Electrical data Supply		



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Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Operating voltage AC (UL-listed)	30 V
Operating voltage DC (UL-listed)	30 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Device protection Electrical	
•	
Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage Material group (IEC 60664-1)	1,5 kV
, ,	<u>'</u>
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Coating locking	Nickeled
Locking material	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	85 °C
Additional condition temperature range	depending on cable quality
Important installation notes	
·	District the connectors by quitable messures from mechanical leads of a by the upage of cable ties
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
Note on bending radius	endangered by excessive bending forces.
Conformity	
Conformity Product standard	DIN EN 61076-2-101 (M12)
	DIN EN 61076-2-101 (M12)
Product standard	DIN EN 61076-2-101 (M12) 803
Product standard Installation Cable	
Product standard Installation Cable Cable identification	803
Product standard Installation Cable Cable identification Jacket Color	803 violet
Product standard Installation Cable Cable identification Jacket Color Type of Certificate	803 violet cURus
Product standard Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding	803 violet cURus
Product standard Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding	803 violet cURus 1 2 wires twisted
Product standard Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type)	803 violet cURus 1 2 wires twisted 1
Product standard Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage)	803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 %
Product standard Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding	803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil
Product standard Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section)	803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG
Product standard Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement	803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG (white, blue), (black, red)
Product standard Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement Traversing distance (C-track)	803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG (white, blue), (black, red) 5 m
Product standard Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement Traversing distance (C-track) Cable weigth	803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG (white, blue), (black, red) 5 m 63,12 g/m
Product standard Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement Traversing distance (C-track) Cable weigth Material jacket	803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG (white, blue), (black, red) 5 m 63,12 g/m PUR
Product standard Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket	803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG (white, blue), (black, red) 5 m 63,12 g/m PUR 90 ± 5 Shore A
Product standard Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG (white, blue), (black, red) 5 m 63,12 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Product standard Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG (white, blue), (black, red) 5 m 63,12 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,9 mm
Product standard Installation Cable Cable identification Jacket Color Type of Certificate Amount stranding Stranding Amount stranding (type 2) Stranding (type 2) Cable shielding (type) Cable shielding (coverage) Banding Drain wire (cross-section) wire arrangement Traversing distance (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	803 violet cURus 1 2 wires twisted 1 2 Stranded joints twisted copper braid, tinned 65 % Foil 22 AWG (white, blue), (black, red) 5 m 63,12 g/m PUR 90 ± 5 Shore A lead-free, cadmium-free, CFC-free, halogen-free, silicone-free

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: 2024-05-09



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Amount wires	2
Outer diameter insulation	2,1 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	64 ± 5 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	19
Diameter of single wires	24 AWG
Conductor crosssection (wire)	24 AWG
Drain wire (cross-section)	22 AWG
Material conductor wire	copper stranded wire, tinned
Electrical function wire	Data
Material wire insulation (Data)	PE
Outer diameter wire insulation (Data)	1,5 mm
Tolerance outer diameter wire insulation (data)	± 53 %
Ingredient freeness wire insulation (Data)	lead-free, CFC-free, halogen-free
Amount wires (Data)	2
Amount strands wire (Data)	19
Diameter of single wires (Data)	22 AWG
Conductor crosssection wire (Data)	22 AWG
Material conductor wire (Data)	copper stranded wire, tinned
Electrical function wire (data)	Power
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Current load capacity min. Wire (Data)	6 A
Electrical function wire	Data
Electrical function wire (data)	Power
Characteristic impedance	120 Ω ± 10 % @ 1 MHz
Electrical resistance line constant wire	78 Ω/km
Electrical resistance coating wire (Data)	54 Ω/km
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electric capacitance	40000 pF/km
AC withstand voltage (wire - shield)	2 kV @ 60 s
Min. operating temperature (static)	-40 °C
Max. operating temperature (fixed)	80 °C
Operating temperature min. (dynamic)	-30 °C
Operating temperature max. (dynamic)	70 °C
Flame resistance	UL 1581 § 1100 FT2 IEC 60332-2-2 UL 1581 § 1090
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing
Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (installation)	x Outer diameter
Bending radius (fixed)	6 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Travel speed (C-track)	1 Mio.
No. of torsion cycles	2 Mio.
Torsion stress	± 30 °/m
Torsion speed	35 cycles/min