

M12 female 0° A-cod. with cable shielded

PUR 4x0.34 shielded gy UL/CSA 20m

Female straight M12, 4-pole shielded with cable sleeves

⚠ NOTICE ⚠

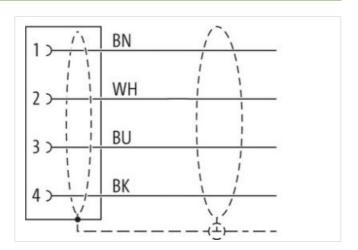
Plastic housings with good resistance against chemicals and oils.

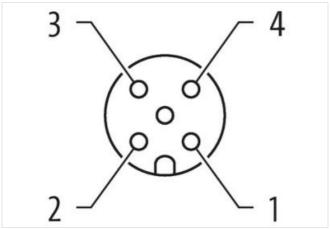
The resistance to aggressive media should be individually tested for your application. Further details on request. PRODUCT WILL BE DISCONTINUED BY JUNE 2023. PLEASE HAVE A LOOK AT THE ALTERNATIVE PRODUCTS. Further cable lengths on request.

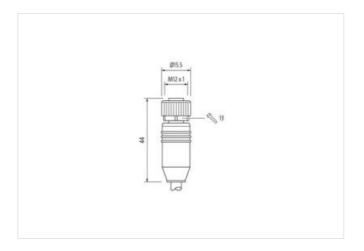
Link to Product

Illustration









Product may differ from Image















stay connected

Cable length	20 m
Side 1	
Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	A
Material	PUR
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Commercial data	
ECLASS-6.0	27279218
ECLASS-6.1	27279218
ECLASS-7.0	27279218
ECLASS-8.0	27279218
ECLASS-9.0	27060311
ECLASS-10.1	27060311
ECLASS-11.1	27060311
ECLASS-12.0	27060311
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879199964
Packaging unit	1
Electrical data Supply	
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
Installation Connection	
	M404
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage	1,5 kV
Material group (IEC 60664-1)	I The state of the
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Locking material	Zinc die-casting
Material screw connection	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	
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.

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: 2024-05-06



Installation Cable Cable identification 335 Ascket Cobr gray Type of Certificate CURus Amount stranding 1 Standing 4 wires twisted Cable shielding (type) Coppor braid, finned Sable shielding (coverage) 85 % Sanding Fleeo, Foll Wire arrangement Drown, black, blue, white Sable weight Sable weight Sable shielding (coverage) SS-1 pm Makerial jacket PUR Shore hardness jacket Freedom from ingredients (jacket) Subre diameter (sket) SS-2 Shore A Freedom from ingredients (jacket) SS-3 Shore A Freedom from ingredients (jacket) SS-3 Shore A Freedom from ingredients (jacket) SS-5 mm Colerance outer diameter (sket) SS-5 mm Colerance outer diameter (sket) SS-6 mm Shore hardness wire insulation PP Amount wires 4 Duter diameter freedom core insulation 1,55 mm Collerance swire insulation PP Amount wires 4 Duter diameter freedom or insulation 72 ± 3 Shore D Impredient freeness wire insulation Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor vorsessection (wire) 34 mm² Material conductor wire Stranded copper wire, bare Some daspet (jetandarro) Son Wire barded capacity (jetandarro) To IN VIDE 0298 4 Current load capacity (jetandarro) Source (jetandarro) To IN VIDE 0298 4 Current load capacity (jetandarro) To IN VIDE 0298 4 Current load capacity (jetandarro) Source (jetandarro) To IN VIDE 0298 4 Current load capacity (jetandarro) To IN VIDE 0298 4 Current load capacity (jetandarro) To IN VIDE 0298 4 Current load capacity (jetandarro) To IN VIDE 0298 4 Current load capacity (jetandarro) To IN VIDE 0298 4 Current load capacity (jetandarro) To IN VIDE 0298 4 Current load capacity (jetandarro) To IN VIDE 0298 4 Current load capacity (jetandarro) To IN VIDE 0298 4 Current load capacity (jetandarro) To IN VIDE 0298 4 Current load capacity (jetandarro) To IN VIDE 0298 4 Current load capacity (jetandarro) To IN VIDE 0298 4 Current load capacity (jetandarro) To IN VIDE 0298 1 Current load capacity (jetandarro) To IN VIDE 0298 1 Cu	Conformity	
Cable identification 335 Jacket Color gray Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Fleece, Foil wire arrangement brown, black, blue, white Cable weigth 56,1 g/m Material jacket PUR Shore hardness jacket PUR Shore hardness jacket 85 ± 3 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Outer-diameter (glacket) 5,9 mm Tollerance outer diameter (sheath) 2,5 % Material wire insulation PP Amount wires 4 Quier diameter (insulation 1,55 mm Duter diameter insulation 1,5 mm Shore hardness wire insulation 12,5 % Shore hardness wire insulation 12,5 % Shore hardness wire insulation 12,5 % Shore hardness wire insulation 12	Product standard	DIN EN 61076-2-101 (M12)
Jacket Color	Installation Cable	
Type of Certificate cURus Amount stranding 1 Stranding 4 were twisted Cable shielding (type) copper braid, tinned Sale shielding (coverage) 85 % Bandring Fleece, Foil wire arrangement brown, black, blue, white Cable weight 56,1 g/m Waderial jacket PUR Shore hardness jacket 85 ± 3 Shore A Freedom from ingredients (jacket) 180 ± 9 mm Outer diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Mount wire insulation 1,55 mm Duter diameter (sheath) ± 5 % Waterial wire insulation 1,55 mm Duter diameter (she insulation) 1,55 mm Valuer diameter (she insulation) 1,25 mm Power (shere hardness wire insulation) 72 ± 3 Shore D Ingredient freeness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation 72 ± 3 Shore D Ingredient freeness wire insulation 72 ± 3 Shore D	Cable identification	335
Type of Certificate cURus Amount stranding 1 Stranding 4 wires twisted Cable shielding (coverage) 85 % Bandring Fleece, Foil wire arrangement brown, black, blue, white Cable weight 56.1 g/m Wadarieal jacket PUR Shore hardness jacket 85 ± 3 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Under diameter (jacket) 5.9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PP Material wire insulation 1,55 mm Outer diameter (sheath) ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation 1,25 mm Outer diameter (sheath) ± 5 % Waterial wire insulation 1,25 mm Outer diameter (sherance core insulation) ± 5 % Shore hardness wire insulation 7,2 ± 3 Shore D Ingredient freeness wire insulation 7,2 ± 3 Shore D Ingredient freeness wire insulation 7,0 mm <td>Jacket Color</td> <td>gray</td>	Jacket Color	gray
Amount stranding 1 Stranding 4 wires twisted Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Fieece, Foil Fieece, Foil Wire arrangement brown, bleek, blue, white Cable weigh 56,1 g/m Waterial jacket PUR Shore hardness jacket 85 £ 3 Shore A Fireadom from ingredients (jacket) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Cuber diameter (jacket) 5,9 mm Tolerance outer diameter (health) ± 5 % Waterial wire insulation PP Amount wires 4 Material wire insulation PP Amount wires 4 Mount diameter insulation 72 ± 3 Shore D Imgredient freeness wire insulation 72 ± 3 Shore D Imgredient freeness wire insulation 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 42 Diameter of single wires 0,1 mm Conductor rows Conductor ro		
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Election		
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Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crosssection (wire) 0,34 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 4,8 A Electrical resistance line constant wire 52 \(\Omega \text{/km} \) \(\omega \text{ 20} \cdot \text{ C} AC withstand voltage (wire - wire) 2 kV \(\omega \text{ 60 s} \text{ 8} Power frequency withstand voltage (wire - acket) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Deperating temperature min. (dynamic) 20 °C Deperating temperature max. (dynamic) 80 °C Elame resistance IEC 60332-2-2 UL 1581 \(\xi \) 1100 FT2 UL 1581 \(\xi \) 1990 Chemical resistance Good, application-related testing Gli resistance DIN EN 60811-404 Good, application-related testing DIN EN 60811-404 Good, application-related testing	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Diameter of single wires O,1 mm Conductor crosssection (wire) 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 4,8 A Electrical resistance line constant wire 52 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - acket) Min. operating temperature (static) 4.0 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 80 °C Flame resistance EEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing DIN EN 60811-404 Good, application-related testing	Amount strands (wire)	
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Conductor type (wire) strand class 6 Nominal voltage AC max. 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (inn. wire 4,8 A Electrical resistance line constant wire 52 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - acket) 40 °C Max. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 80 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing	Conductor crosssection (wire)	0,34 mm ²
Nominal voltage AC max. 300 V Current load capacity (standard) Current load capacity min. wire 4,8 A Electrical resistance line constant wire 52 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - acket) Min. operating temperature (static) ABO °C Operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 80 °C Elame resistance EC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing	Material conductor wire	Stranded copper wire, bare
Current load capacity (standard) Current load capacity min. wire 4,8 A Electrical resistance line constant wire 52 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - acket) 40 °C Max. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 80 °C Flame resistance EC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing	Conductor type (wire)	strand class 6
Current load capacity min. wire 4,8 A Electrical resistance line constant wire 52 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - acket) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 80 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing	Nominal voltage AC max.	300 V
Electrical resistance line constant wire 52 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - acket) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 80 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing	Current load capacity (standard)	to DIN VDE 0298-4
AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - acket) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 80 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing	Current load capacity min. wire	4,8 A
Power frequency withstand voltage (wire - acket) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) EC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing	Electrical resistance line constant wire	52 Ω/km @ 20 °C
Acket) All acket)	AC withstand voltage (wire - wire)	2 kV @ 60 s
Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -20 °C Operating temperature max. (dynamic) 80 °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 DIN EN 60811-404 Good, application-related testing	Power frequency withstand voltage (wire - jacket)	2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 80 °C Flame resistance IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090 Chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 80 °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 DIN EN 60811-404 Good, application-related testing	Max. operating temperature (fixed)	80 °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 DIN EN 60811-404 Good, application-related testing	Operating temperature min. (dynamic)	-20 °C
Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing DIN EN 60811-404 Good, application-related testing	Operating temperature max. (dynamic)	80 °C
Gasoline resistance Good, application-related testing DIN EN 60811-404 Good, application-related testing	Flame resistance	IEC 60332-2-2 UL 1581 § 1100 FT2 UL 1581 § 1090
Oil resistance DIN EN 60811-404 Good, application-related testing	chemical resistance	Good, application-related testing
	Gasoline resistance	Good, application-related testing
3ending radius (dynamic) 10 x Outer diameter	Oil resistance	DIN EN 60811-404 Good, application-related testing
	Bending radius (dynamic)	10 x Outer diameter