

M12 female 90° A-cod. with cable shielded

PVC 5x0.34 shielded gy 1.5m

Female 90° M12, 5-pole shielded

with cable sleeves

Plastic housings with good resistance against chemicals and oils.

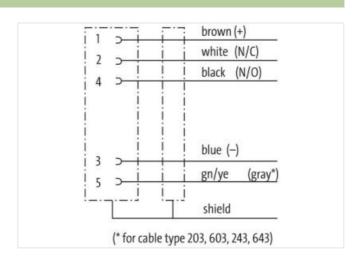
The resistance to aggressive media should be individually tested for your application. Further details on request.

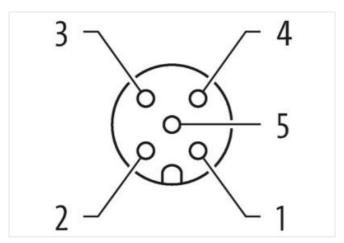
Further cable lengths on request.

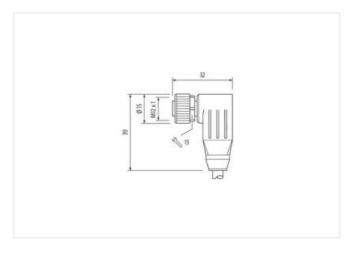
Link to Product

Illustration









Product may differ from Image











Cable length

1,5 m

Side 1

Tightening torque

0,6 Nm



stay connected	
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Mounting method	inserted, screwed
Coating contact	gold plated
Family construction form	M12
Thread	M12 x 1
Coding	A
Material contact	Copper alloy
Material	PUR
No. of poles	5
Width across flats	SW13
Degree of protection (EN IEC 60529)	IP65, IP66K, IP67
Side 2	
Stripping length (jacket)	20 mm
Coating contact	gold plated
Commercial data	
ECLASS-6.0	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	4048879198998
Packaging unit	1
Electrical data Supply	
Operating voltage AC max.	60 V
Operating voltage DC max.	60 V
Current operating per contact max.	4 A
Diagnostics	
Status indication LED	no
Installation Connection	
Stripping length (jacket)	20 mm
Mounting set	M12 x 1
Device protection Electrical	
Additional condition protection degree	inserted, screwed
Pollution Degree	3
Rated surge voltage Meterial group (IEC 60664.1)	1,5 kV
Material group (IEC 60664-1)	ı
Mechanical data	
Contour for corrugated hose	without
Mechanical data Material data	
Coating locking	Nickeled
Coating of fitting	nickel plated
Material gasket	FKM
Locking material	Zinc die-casting
Material screw connection	Zinc die-casting
Mechanical data Mounting data	
Mounting method	inserted, screwed, Shaking protection
Environmental characteristics Climatic	

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: 2024-04-26



stay connected

Contaminy 85° C Additional condition temperature range depending on cabile quality Conformity Product standard IN EN \$1076-2-101 (M12) Installation Cable Installation Cable Cable identification 348 Jacked Color gray Amount stranding 1 Stranding factor min. 75 mm Stranding factor max. 75 mm Cable shelding (typos) copper traid, limned Cable shelding (typos) copper traid, limned Earling factor max. 75 mm Cable shelding (typos) copper traid, limned Cable shelding (typos) copper traid, limned Banding Foil Filter yes Wire arrangement brown, black, blue, white, green yellow Cable swelpin 72.05 g/in Muterial jacket PVC Shore Andrease jacket 75 Shore A Telecotant run ingediatis (jacket) 15 % Shore A Material virie insulation 1.4 mm Outer diameter (sheath) 2.5 % More andread (sheare	Operating temperature min.	-25 °C
Conformity DN EN 81076-2-101 (M12) Product standard DN EN 81076-2-101 (M12) Installation Cable Cable identification 348 Jacker Color gray Amount stranding 1 Stranding Stort min. 75 mm Stranding factor min. 75 mm Cable shielding (type) copper braid, triend Banding Foll Filler ye Banding Foll Filler ye Cable shielding (type) 25 ye Material shield (think) 15 ye Material shield (think) 15 ye Material shield (think	Operating temperature max.	85 °C
Product standard DIN EN 81076-2-101 (M12) Installation (Cable) Cabbe (shortIcation) 348 Jackent Color gray Annount standing 1 Stranding factor min. 75 mm Stranding factor max. 75 mm Cable shielding (coverage) 85 % Bandring Foll Filer yes wear arrangement bown, back, blue, white, green yellow Cable weight 72.05 g/m Material gabet PVC Shore hardness jacket 75 Shore A Freedom from ingredients (jacked) lead-free, cadmium-free, CFC-free Outer-diameter (jacked) 5.5 % Material we insulation PVC Amount wires 5 5.5 mm Outer diameter (jacked) 5.5 % Material we insulation 1.4 mm Outer diameter (jacked) 5.5 % Shore hardness wire insulation 1.4 mm Outer diameter (jacked) 4.5 % Shore (jacked) 5.5 % Material we insulation 2.5 %	Additional condition temperature range	depending on cable quality
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Installation Cable 248 Cable identification 948 Jacked Color grey Amount stranding 1 Stranding factor min. 75 mm Stranding factor max. 75 mm Cable shidding (type) copper brad. Immed Cable (type) copper brad. Immed Cable (type) copper brad. Immed Cable (type) copper brad. Immed Marker (all particles of type) copper brad. Immed Marker (all particles of type) copper brad. Immed Cable (all particles of type) copper brad. Immed </td <td>Product standard</td> <td>DIN EN 61076-2-101 (M12)</td>	Product standard	DIN EN 61076-2-101 (M12)
Cable identification 348 Jacker Color gray Annount stranding 1 Stranding 5 wires around Core filter twisted Stranding factor min. 75 mm Cable sheiding (type) copper braid, tinned Cable sheiding (type) copper braid, tinned Cable sheiding (type) copper braid, tinned Cable sheiding (type) page (type) Banding Foll Filter yes wire arrangement brown, black, blue, white, graen-yellow Cable weight 72.05 g/m Malerial glasted PVC Shore hardness (spacked) 75 Shore A Freedom from ingredients (glacket) 75 Shore A Freedom from ingredients (glacket) 5.5 mm Outer-diameter (gacket) 5.5 mm Tolerance outer diameter (spacket) 5.5 mm Outer diameter folkerance ore insulation PVC Amount wires 5 Outer diameter insulation 4.5 mm Increase wire insulation 6.5 Shore A Impresent freeness wire insulation 6	Installation Cable	
Jacket Color		0.10
Amount stranding 1 Stranding 5 wires around One filter twisted Stranding factor min. 75 mm Stranding factor max. 75 mm Cable shielding (type) copper braid, tinned Cable shielding (coverage) 85 % Banding Foil Filter yes wire arrangement brown, black, blue, white, groen yellow Cable weight 72.05 gm Material Jocket PVC Shore hardness jacket 75 Shore A Freedom from ingredients (gacket) 10 Smm Cuber-diameter (specket) 5.9 mm Tolerance outler diameter (sheeth) 4.5 % Material wire insulation PVC Amount wires 5 Cuber diameter insulation PVC Amount strands (wire) 4.5 % Shore hardness wire insulation 1.4 mm Imprecion freeness wire insulation 4.5 % Shore hardness wire insulation 1.4 mm Imprecion freeness wire insulation 5.5 Shore A Imprecion freeness wire insulation 5.5 %		
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Filler yes yes wire arrangement brown, black, blue, white, green-yellow Cable weigh 72,05 g/m	Cable shielding (coverage)	85 %
wire arrangement brown, black, blue, white, green-yellow Cable weight 72,05 g/m Material jacket PVC Shore hardness jacket 75 Shore A Freedom from ingradients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) 2.5 % Material wire insulation PVC Amount wires 5 Outer diameter insulation 1,4 mm Outer diameter insulation 1,4 mm Outer diameter insulation 1,4 mm Outer diameter insulation 85 Shore A Ingredient freeness wire insulation 18 Shore A Ingredient freeness wire insulation 18 Shore A Ingredient freeness wire insulation 18 december (e.c. CFC-free) Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Max.	Banding	Foil
Cable weight 72,05 g/m Material jacket PVC Shore hardness jacket 75 Shore A Freedom from Ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (shealth) ± 5 % Material wire insulation PVC Amount wires 5 Outer diameter Insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation ± 5 % Ingredient freeness wire insulation ± 5 % Ingredient freeness wire insulation ± 5 % Material conductor wire insulation 1 ead-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor crossection (wire) 0,34 mm² Material conductor wire Stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Dkm 20 °C Max. rated voltage power	Filler	yes
Material jacket	wire arrangement	brown, black, blue, white, green-yellow
Shore hardness jacket 75 Shore A Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 5 Outer diameter insulation ± 5 % Shore hardness wire insulation ± 5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation 42 Dameter 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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ωkm @ 20 ° °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - shield) 1,5 kV @ 60 s Min. operating temperature (fixed) 80 °C Operating temperatur	Cable weigth	72,05 g/m
Freedom from ingredients (jacket) lead-free, cadmium-free, CFC-free Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 5 Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation 85 Shore A Manual Stands (wire) 42 Diameter of single wires 0,1 mm Conductor (wire) Stranded copper wire, bare Current load capacity (standard) </td <td>Material jacket</td> <td>PVC</td>	Material jacket	PVC
Outer-diameter (jacket) 5,9 mm Tolerance outer diameter (sheath) ± 5 % Material wire insulation PVC Amount wires 5 Outer diameter insulation 1,4 mm Outer diameter lolerance core insulation 1,4 mm Outer diameter tolerance core insulation 85 Shore A Ingredient freeness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, CFC-free Amount strands (wire) 42 Diameter of single wires 0,1 mm Conductor vires (Stranded copper wire, bare Stranded copper wire, bare Conductor type (wire) stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Guert voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - shield) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) <td< td=""><td>Shore hardness jacket</td><td>75 Shore A</td></td<>	Shore hardness jacket	75 Shore A
Tolerance outer diameter (sheath)	Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free
Material wire insulation PVC Amount wires 5 Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation 85 Shore A Ingredient freeness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, CFC-free 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) stranded copper wire, bare Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Q/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 300 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - wire) 1,5 kV @ 60 s Min. operating temperature (static) 30 °C Min. operating temperature (static) 30 °C Operating temperature (static) 40 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1900 IEC 60332-2-2 Chemical resistance Good, application-related testing DIN EN 60811-404	Outer-diameter (jacket)	5,9 mm
Amount wires 5 Outer diameter insulation 1,4 mm Outer diameter folerance core insulation ± 5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, CFC-free 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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 300 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Min. operating temperature (stact) - 30 °C Max. operating temperature (stact) - 30 °C Min. operating temperature (mixed) 80 °C Operating temperature min. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1900 IEC 60332-2-2 Chemical resistance Good, application-related testing DIN EN 60811-404	Tolerance outer diameter (sheath)	±5%
Outer diameter insulation 1,4 mm Outer diameter tolerance core insulation ± 5 % Shore hardness wire insulation 85 Shore A Ingredient freeness wire insulation lead-free, CFC-free 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 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Q/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 300 V Ac withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - shield) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 1,5 kV @ 60 s Min. operating temperature (static) 30 °C Max. operating temperature (static) 30 °C Max. operating temperature min. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing OIN EN 60811-404	Material wire insulation	PVC
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Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 4,8 A Electrical resistance line constant wire 57 Ω/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - conductor) AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - wire) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 1,5 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404		
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Electrical resistance line constant wire 57 Ω/km @ 20 °C Max. rated voltage power (conductor - ground) 300 V Max. rated voltage power (conductor - ground) 500 V AC withstand voltage power (wire - shield) 1,5 kV @ 60 s Power frequency withstand voltage power (wire - wire) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 1,5 kV @ 60 s Min. operating temperature (static) -30 °C Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404		
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Max. rated voltage power (conductor - conductor) AC withstand voltage power (wire - shield) Power frequency withstand voltage power (wire - gacket) 1,5 kV @ 60 s 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 1,5 kV @ 60 s Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 Chemical resistance Good, application-related testing Gli resistance Good, application-related testing DIN EN 60811-404		-
AC withstand voltage power (wire - shield) Power frequency withstand voltage power (wire - jacket) 1,5 kV @ 60 s AC withstand voltage power (wire - wire) 1,5 kV @ 60 s Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gil resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404		300 V
Power frequency withstand voltage power (wire - jacket) AC withstand voltage power (wire - wire) 1,5 kV @ 60 s Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing DIN EN 60811-404		500 V
(wire - jacket) AC withstand voltage power (wire - wire) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing DIN EN 60811-404	AC withstand voltage power (wire - shield)	1,5 kV @ 60 s
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) To °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 Chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404		1,5 kV @ 60 s
Max. operating temperature (fixed) 80 °C Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404	AC withstand voltage power (wire - wire)	1,5 kV @ 60 s
Operating temperature min. (dynamic) -5 °C Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404	Min. operating temperature (static)	-30 °C
Operating temperature max. (dynamic) 70 °C Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404	Max. operating temperature (fixed)	80 °C
Flame resistance UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404	Operating temperature min. (dynamic)	-5 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404		70 °C
chemical resistance Good, application-related testing Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404	Flame resistance	UL 1581 § 1100 FT2 UL 1581 § 1090 IEC 60332-2-2
Gasoline resistance Good, application-related testing Oil resistance Good, application-related testing DIN EN 60811-404	chemical resistance	
Oil resistance Good, application-related testing DIN EN 60811-404		
Bending radius (dynamic) 15 x Outer diameter		

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: 2024-04-26