

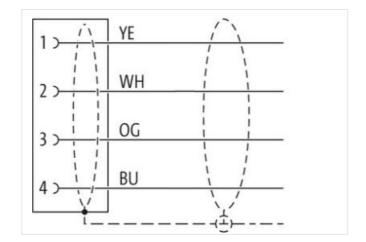
## M12 female recept. D-cod. shielded rear

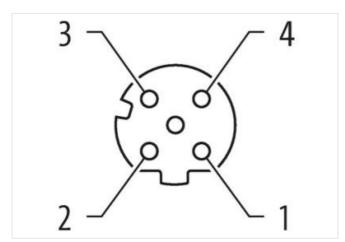
PUR 1x4xAWG22 shielded gn UL/CSA+drag ch. 1.5m

Product fulfills requirements according to UN/ECE R118 Ethernet CAT5 Flange female M12, 4-pole D-coded shielded Rear mounting Further cable lengths on request. The resistance to aggressive media should be individually tested for your application. Further details on request.

## Link to Product







Product may differ from Image



Cable length

1,5 m

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Side 1

Tightening torque	0,6 Nm
Mounting method	inserted, screwed
Family construction form	M12
Thread	M12 x 1
Coding	D
Material	Brass
Degree of protection (EN IEC 60529)	IP67
Commercial data	
ECLASS-6.0	27279220
ECLASS-6.1	27279220
ECLASS-7.0	27440103
ECLASS-8.0	27440103
ECLASS-9.0	27440103
ECLASS-10.1	27440103
ECLASS-11.1	27440103
ECLASS-12.0	27440103
ETIM-5.0	EC001855
customs tariff number	85444290
GTIN	4048879467643
Packaging unit	1
Electrical data   Supply	
Operating voltage DC max.	60 V
Current operating per contact max.	1,5 A
Industrial communication	
Transfer parameters	CAT5, Class D (ISO/IEC 11801:2002), (EN 50173-1)
·······	
Data transmission rate max.	100 MBit/s
•	100 MBit/s
Data transmission rate max. Industrial communication   Ethernet func	100 MBit/s
Data transmission rate max. Industrial communication   Ethernet func duplex	100 MBit/s
Data transmission rate max. Industrial communication   Ethernet func duplex Installation   Connection	100 MBit/s stionality Full duplex
Data transmission rate max. Industrial communication   Ethernet func duplex Installation   Connection Mounting set	100 MBit/s stionality Full duplex M16 x 1.5
Data transmission rate max. Industrial communication   Ethernet func duplex Installation   Connection Mounting set Width across flats	100 MBit/s stionality Full duplex
Data transmission rate max. Industrial communication   Ethernet func duplex Installation   Connection Mounting set Width across flats Device protection   Electrical	100 MBit/s stionality Full duplex M16 x 1.5 SW19
Data transmission rate max. Industrial communication   Ethernet func duplex Installation   Connection Mounting set Width across flats Device protection   Electrical Protection NEMA	100 MBit/s <b>stionality</b> Full duplex M16 x 1.5 SW19 3, 4, 6P
Data transmission rate max. Industrial communication   Ethernet funce duplex Installation   Connection Mounting set Width across flats Device protection   Electrical Protection NEMA Additional condition protection degree	100 MBit/s stionality Full duplex M16 x 1.5 SW19 3, 4, 6P inserted, screwed
Data transmission rate max. Industrial communication   Ethernet func duplex Installation   Connection Mounting set Width across flats Device protection   Electrical Protection NEMA Additional condition protection degree Pollution Degree	100 MBit/s stionality Full duplex M16 x 1.5 SW19 3, 4, 6P inserted, screwed 3
Data transmission rate max. Industrial communication   Ethernet func duplex Installation   Connection Mounting set Width across flats Device protection   Electrical Protection NEMA Additional condition protection degree Pollution Degree Rated surge voltage	100 MBit/s stionality Full duplex M16 x 1.5 SW19 3, 4, 6P inserted, screwed
Data transmission rate max. Industrial communication   Ethernet func duplex Installation   Connection Mounting set Width across flats Device protection   Electrical Protection NEMA Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1)	100 MBit/s stionality Full duplex M16 x 1.5 SW19 3, 4, 6P inserted, screwed 3
Data transmission rate max. Industrial communication   Ethernet func duplex Installation   Connection Mounting set Width across flats Device protection   Electrical Protection NEMA Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data   Material data	100 MBit/s stionality Full duplex M16 x 1.5 SW19 3, 4, 6P inserted, screwed 3
Data transmission rate max. Industrial communication   Ethernet func duplex Installation   Connection Mounting set Width across flats Device protection   Electrical Protection NEMA Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data   Material data Coating locking	100 MBit/s stionality Full duplex M16 x 1.5 SW19 3, 4, 6P inserted, screwed 3 1,5 kV I nickel plated
Data transmission rate max. Industrial communication   Ethernet func duplex Installation   Connection Mounting set Width across flats Device protection   Electrical Protection NEMA Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data   Material data Coating locking Coating of fitting	100 MBit/s         stionality         Full duplex         M16 x 1.5         SW19         3, 4, 6P         inserted, screwed         3         1,5 kV         I
Data transmission rate max. Industrial communication   Ethernet func duplex Installation   Connection Mounting set Width across flats Device protection   Electrical Protection NEMA Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data   Material data Coating locking Coating of fitting Locking material	100 MBit/s         stionality         Full duplex         M16 x 1.5         SW19         3, 4, 6P         inserted, screwed         3         1,5 kV         I         nickel plated         nickel plated         Brass
Data transmission rate max. Industrial communication   Ethernet func duplex Installation   Connection Mounting set Width across flats Device protection   Electrical Protection NEMA Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data   Material data Coating locking Coating of fitting	100 MBit/s           stionality           Full duplex           M16 x 1.5           SW19           3, 4, 6P           inserted, screwed           3           1,5 kV           I           nickel plated           nickel plated
Data transmission rate max. Industrial communication   Ethernet func duplex Installation   Connection Mounting set Width across flats Device protection   Electrical Protection NEMA Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data   Material data Coating locking Coating of fitting Locking material	100 MBit/s         stionality         Full duplex         M16 x 1.5         SW19         3, 4, 6P         inserted, screwed         3         1,5 kV         I         nickel plated         nickel plated         Brass
Data transmission rate max. Industrial communication   Ethernet func duplex Installation   Connection Mounting set Width across flats Device protection   Electrical Protection NEMA Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection	100 MBit/s         stionality         Full duplex         M16 x 1.5         SW19         3, 4, 6P         inserted, screwed         3         1,5 kV         I         nickel plated         nickel plated         Brass
Data transmission rate max. Industrial communication   Ethernet func duplex Installation   Connection Mounting set Width across flats Device protection   Electrical Protection NEMA Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data   Mounting data	100 MBit/s           stionality           Full duplex           M16 x 1.5           SW19           3, 4, 6P           inserted, screwed           3           1,5 kV           I           nickel plated           nickel plated           Brass           Brass
Data transmission rate max. Industrial communication   Ethernet func duplex Installation   Connection Mounting set Width across flats Device protection   Electrical Protection NEMA Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data   Mounting data Mounting method	100 MBit/s  stionality  Full duplex  M16 x 1.5  SW19  3, 4, 6P  inserted, screwed  3  1,5 kV  I  nickel plated nickel plated Brass Brass Brass Schraubgewinde
Data transmission rate max. Industrial communication   Ethernet func duplex Installation   Connection Mounting set Width across flats Device protection   Electrical Protection NEMA Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data   Mounting data Mounting method Looking techniques Environmental characteristics   Climatic	100 MBit/s         stionality         Full duplex         M16 x 1.5         SW19         3, 4, 6P         inserted, screwed         3         1,5 kV         1         nickel plated         nickel plated         Brass         Brass         Schraubgewinde         Schraubgewinde
Data transmission rate max. Industrial communication   Ethernet func duplex Installation   Connection Mounting set Width across flats Device protection   Electrical Protection NEMA Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data   Mounting data Mounting method Looking techniques Environmental characteristics   Climatic Operating temperature min.	100 MBit/s  stionality  Full duplex  M16 x 1.5  SW19  3, 4, 6P  inserted, screwed  3  1,5 kV  I  nickel plated nickel plated Brass Brass Brass Schraubgewinde
Data transmission rate max. Industrial communication   Ethernet func duplex Installation   Connection Mounting set Width across flats Device protection   Electrical Protection NEMA Additional condition protection degree Pollution Degree Rated surge voltage Material group (IEC 60664-1) Mechanical data   Material data Coating locking Coating of fitting Locking material Material screw connection Mechanical data   Mounting data Mounting method Looking techniques Environmental characteristics   Climatic	100 MBit/s  stionality Full duplex M16 x 1.5 SW19 3, 4, 6P inserted, screwed 3 1,5 kV I inserted screwed I schraubgewinde Schraubgewinde -25 °C

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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.
Approvals	
UL 50E	yes
Installation   Cable	
Cable identification	796
Jacket Color	green
Type of Certificate	cURus
Amount stranding	1
Stranding	4 wires around Core filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	yes
wire arrangement	white, yellow, blue, orange
Traversing distance (C-track)	5 m @ 25 °C
Cable weigth	69,3 g/m
Material jacket	PUR
Shore hardness jacket	89 Shore A
Freedom from ingredients (jacket) Outer-diameter (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free 6,7 mm
Tolerance outer diameter (sheath)	±5%
Material inner jacket	FRNC
Color (inner jacket)	natur
Material wire insulation	PE
Amount wires	4
Outer diameter insulation	1,4 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	65 Shore D
Ingredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	7
Diameter of single wires	22 AWG
Conductor crosssection (wire)	22 AWG
Material conductor wire	Stranded copper wire, bare
Loop resistance	5000 MΩ × km
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,8 A
Characteristic impedance	100 Ω ± 15 % @ 100 MHz
Electrical resistance line constant wire	55 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electrical capacity line constant (wire - wire)	50000 pF/km
Power frequency withstand voltage (wire - acket)	2 kV @ 60 s
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	IEC 60332-2-2   UL 1581 § 1090   UL 1581 § 1100 FT2
chemical resistance	Good, application-related testing
Gasoline resistance	Good, application-related testing

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Oil resistance	DIN EN 60811-404   Good, application-related testing
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter
Travel speed (C-track)	3 Mio. @ 25 °C
No. of torsion cycles	1 Mio. 25 °C
Torsion stress	± 180 °/m

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