

M12 male recept. B-cod. rear

PUR 1x2xAWG24 shielded vt UL/CSA+drag ch. 0.6m

Flange male M12, 2-pole B-coded shielded

Rear mounting

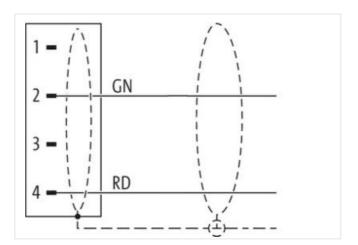
Further cable lengths on request.

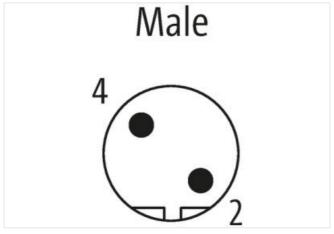
The resistance to aggressive media should be individually tested for your application. Further details on request.

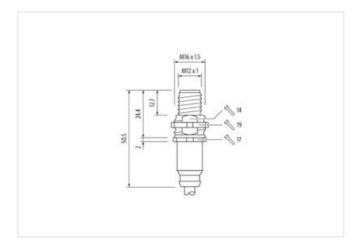
Link to Product

Illustration









Product may differ from Image





0,6 m Cable length

Side 1

0,6 Nm Tightening torque



stay connected

oaling contact amily construction from M12 x 1 diag abort for the control of the	Mounting method	inserted, screwed	
amily construction form M12 in the control of the c	Coating contact	·	
Interest outdoor			
Description	Thread		
Laterial contact	Coding		
Identified Briss A	Material contact		
0. of poles 4 agree of protection (EN IEC 60529) IP67 Side 2 Iripping length (jacket) 20 mm Commercial date CLASS 6.0 27279221 CLASS 6.1 2779220 CLASS 7.0 CLASS 7.0 27440103 CLASS 7.0 CLASS 8.0 27440103 CLASS 8.0 CLASS 8.1 27440103 CLASS 8.1 CLASS 1.1 27440103 CLASS 1.1 CLASS 1.1 27440103 CLASS 1.2 CLASS 1.2 27440103 CLASS 1.2 CLASS 1.1 27440103 CLASS 1.2 CLASS 1.1 27440103 CLASS 1.2 CLASS 1.2 2.7440103 CLASS 1.2 CLASS 1.2 2.7440103 CLASS 1.2 <td>Material</td> <td></td> <td></td>	Material		
Side 2	No. of poles		
Side 2 Proping legith (jacket)		IP67	
Commercial data CLASS-6.0 27279221 CLASS-6.1 27279220 CLASS-7.0 27440103 CLASS-8.0 27440103 CLASS-9.0 27440103 CLASS-10.1 27440103 CLASS-11.1 27440103 CLASS-12.0 27440103 TIM-5.0 E0001855 ustoms tariff number 85444290 TIN 4048879571234 ackaging unit 1 Electrical data Supply perating voltage AC max. 60 V perating voltage AC max. 80 V political perating per contact max. 4 A political perating per contact max. 4 A political perating per contac	Side 2		
Commercial data CLASS-6.0 27279221 CLASS-6.1 27279220 CLASS-7.0 27440103 CLASS-8.0 27440103 CLASS-9.0 27440103 CLASS-10.1 27440103 CLASS-11.1 27440103 CLASS-12.0 27440103 TIM-5.0 E0001855 ustoms tariff number 85444290 TIN 4048879571234 ackaging unit 1 Electrical data Supply perating voltage AC max. 60 V perating voltage AC max. 80 V political perating per contact max. 4 A political perating per contact max. 4 A political perating per contac	Stripping length (jacket)	20 mm	
CLASS-6.0 27279221 CLASS-6.1 27279220 CLASS-7.0 27440103 CLASS-8.0 27440103 CLASS-8.0 27440103 CLASS-8.0 27440103 CLASS-1.1 27440103 CLASS-1.1 27440103 CLASS-1.1 27440103 CLASS-1.2 2 2740103 CLASS-1.2 2 27440103 CLASS-1.2 2 27440103 CLASS-1.2 2 2740103 CLASS-1.2 2 27440103 CLASS-1.2 2 27440103 CLASS-1.2 2 2 2740103 CLASS-1.2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2			
CLASS-6.1 27729220 CLASS-7.0 27440103 CLASS-9.0 27440103 CLASS-9.0 27440103 CLASS-10.1 27440103 CLASS-10.1 27440103 CLASS-11.1 27440103 CLASS-12.0 27440103 CLASS-12.0 27440103 CLASS-12.0 1718-5.0 E0001855 usborns tariff number 85444290 TIM-5.0 E0001855 usborns tariff number 1 1 Electrical data Supply perating voltage AC max. 60 V perating voltage AC max. 60 V perating voltage DC max. 60 V perating voltage DC max. 60 V perating voltage DC max. 60 V urrent operating per contact max. 4 A Diagnostics tatus indication LED no nstallation Connection tripping length (jacket) 20 mm counting set M16 x 1.5 With across flats SW19 Device protection Electrical ordiction acordition protection degree inserted, screwed of dictional condition protection degree inserted screwed of dictional		07070004	
CLASS-7.0 27440103 CLASS-8.0 27440103 CLASS-9.0 27440103 CLASS-10.1 27440103 CLASS-11.1 27440103 CLASS-11.1 27440103 CLASS-12.0 27440103 CLASS-12.0 27440103 CLASS-12.0 17140-17150 CLAS-12.0 17140-17150 CLASS-12.0 17140-17150 CLAS			
CLASS-8.0 27440103 CLASS-9.0 27440103 CLASS-10.1 27440103 CLASS-11.1 27440103 CLASS-11.1 27440103 CLASS-12.0 27440103 CLASS-12.0 27440103 CLASS-12.0 1 274			
CLASS-9.0 27440103 CLASS-10.1 27440103 CLASS-11.1 27440103 CLASS-11.1 27440103 CLASS-12.0 27440103 TIM-5.0 EC001855 Jastoms tariff number 85444290 TIM 4048879571234 ackaging unit 1 1 Selectrical data Supply perating voltage AC max. 60 V perating voltage DC max. 60 V Jagorating voltage JC max. 60 V Jagorating voltag			
CLASS-10.1 27440103 CLASS-11.1 27440103 CLASS-12.0 27440103 TIM-5.0 EC001855 ustoms tariff number 85444290 TIM 4048879571234 ackaging unit 1 Electrical data Supply perating voltage AC max. 60 V perating voltage AC max. 60 V perating voltage DC max. 70 Proceedings of the supply of the sup			
CLASS-11.1 27440103 CLASS-12.0 27440103 TIM-5.0 EC001855 sustoms tariff number 85444290 TIN 4048879571234 ackaging unit 1 Electrical data Suppty perating voltage AC max. 60 V perating voltage AC max. 60 V perating voltage DC max. 4A Diagnostics tatus indication LED no notalitation Connection tripping length (jacket) 20 mm lounting set Mis x 1.5 fidth across tiats SW19 Device protection Electrical voltage nortical supprotection degree inserted, screwed ollution Degree 3 acted surge voltage 1,5 kV acted surge voltage 1 Mechanical data Material data soliting miskerial serve connection Brass laterial screw connection Brass laterial screw connection Brass Mechanical data Mounting data Mounting data Mounting method Schraubgewinde Schraubgewinde Environmental characteristics Climatic perating temperature min25 °C			
CLASS-12.0 27440103 TIM-5.0 EC001855 Jacobs tariff number 85444290 TIN 4048879571234 ackaging unit 1 Electrical data Supply perating voltage AC max. 60 V perating voltage AC max. 60 V Diagnostics tatus indication LED no nastallation Connection tripping length (facket) 20 mm lounting set M16 x 1.5 Tidith across flats SW19 Device protection Electrical rotection NEMA 3, 4, 6P diditional condition protection degree inserted, screwed oliution Degree 3 ated surge voltage 1, 15 kV laterial group (IEC 60684-1) I Mechanical data Material data outing olicking material screw connection Brass Brass Brass Brass Brass Brass Beritonical data Mounting data lounting gethod Schraubgewinde Environmental characteristics Climatic perating temperature min25 °C			
TIM-5.0 EC001855 ustoms tariff number 85444290 TIN 4048879571234 ackaging unit 1 Electrical data Supply Perating voltage AC max. 60 V perating voltage DC max. 60 V urrent operating per contact max. 4 A Diagnostics Status indication LED no installation Connection Properating time (packet) 20 mm forth across flats SW19 SW19 Device protection Electrical SW19 Protection NEMA 3, 4, 6P diditional condition protection degree 3 Additional condition protection degree			
State Stat			
TIN 4048879571234 ackaging unit 1 Selectrical data Supply perating voltage AC max. 60 V perating voltage DC max. 60 V urrent operating per contact max. 4 A Diagnostics tatus indication LED no notatalation Connection tripping length (jacket) 20 mm lounting set M16 x 1.5 Voltation Source flats SW19 Device protection Electrical rotection NEMA 3, 4, 6P diditional condition protection degree inserted, screwed oliution Degree 3 atted surg voltage 1,5 kV laterial group (IEC 60664-1) 1 I Wechanical data Material data oating of fitting nickel plated ooking material Brass leaterial screw connection Brass Mechanical data Mounting data lounting method Schraubgewinde Environmental characteristics Climatic			
ackaging unit 1 Electrical data Supply perating voltage AC max. 60 V perating voltage DC max. 4 A Diagnostics tatus indication LED no notinitial indication LED no installation Connection tripping length (jacket) 20 mm lounting set M16 x 1.5 Volvice protection Electrical rotection NEMA 3, 4, 6P diditional condition protection degree inserted, screwed ollution Degree 3 atterial group (IEC 60664-1) I Mechanical data Material data oating locking material brass diaterial screw connection brass Brass diaterial screw connection brass Mechanical data Mounting data lounting method Schraubgewinde Environmental characteristics Climatic perating temperature min. 425 °C			
Perating voltage AC max. 60 V perating voltage DC max. 60 V perating voltage DC max. 60 V perating voltage DC max. 4 A Diagnostics tatus indication LED no notatallation Connection tripping length (jacket) 20 mm lounting set M16 x 1.5 //dth across flats SW19 Device protection Electrical rotection NEMA 3, 4, 6P dditional condition protection degree inserted, screwed ollution Degree 3 ated surge voltage 1,5 kV laterial group (IEC 60664-1) I Mechanical data Material data oating of fitting nickel plated ooking material Brass laterial screw connection Brass laterial screw connection Brass laterial screw connection Spaces Mechanical data Mounting data Schraubgewinde Environmental characteristics Climatic perating temperature min25 °C			
perating voltage AC max. 60 V perating voltage DC max. 60 V perating voltage DC max. 4 A Diagnostics tatus indication LED no nstallation Connection tripping length (jacket) 20 mm lounting set M16 x 1.5 White Arcoss flats Sw19 Device protection Electrical rotection NEMA 3, 4, 6P diditional condition protection degree inserted, screwed oilution Degree 3 ated surge voltage 1,5 kV laterial group (IEC 60664-1) I Wechanical data Material data oating locking nickel plated ooking material Brass laterial screw connection Brass Mechanical data Mounting data lounting method Schraubgewinde Environmental characteristics Climatic perating temperature min25 °C		1	
perating voltage DC max. 60 V urrent operating per contact max. 4 A Diagnostics tatus indication LED no nstallation Connection tripping length (jacket) 20 mm lounting set M16 x 1.5 didth across flats SW19 Device protection Electrical rotection NEMA 3, 4, 6P didditional condition protection degree inserted, screwed collution Degree 3 ated surge voltage 1,5 kV laterial group (IEC 60664-1) I Wechanical data Material data coating locking nickel plated coating of fitting nickel plated coating of fitting nickel plated coating strew connection Brass laterial screw connection Brass laterial screw connection Brass dechanical data Mounting data lounting method Schraubgewinde Environmental characteristics Climatic perating temperature min25 °C	Electrical data Supply		
Diagnostics tatus indication LED no nstallation Connection tripping length (jacket) 20 mm founting set M16 x 1.5 fidth across flats SW19 Device protection Electrical rotection NEMA 3, 4, 6P diditional condition protection degree inserted, screwed follution Degree 3 ated surge voltage 1,5 kV laterial group (IEC 60664-1) I Mechanical data Material data ooating of fitting nickel plated ooking material Brass laterial screw connection Brass Mechanical data Mounting data founting method Schraubgewinde Environmental characteristics Climatic Environmental characteristics Climatic Environmental tharacteristics Climatic Environmental characteristics Climatic Environmental characteristics Climatic Environmental characteristics Climatic	Operating voltage AC max.	60 V	
Italius indication LED no Installation Connection Itripping length (jacket) 20 mm Identifying set M16 x 1.5 Identifying set M16 x 1.5 Identifying set Swing	Operating voltage DC max.	60 V	
tatus indication LED no nstallation Connection tripping length (jacket) 20 mm lounting set M16 x 1.5 fridth across flats SW19 Device protection Electrical rotection NEMA 3, 4, 6P ddiltional condition protection degree inserted, screwed collution Degree 3 ated surge voltage 1,5 kV laterial group (IEC 60664-1) I Mechanical data Material data oating locking nickel plated oating of fitting nickel plated oaking material Brass laterial screw connection Brass Mechanical data Mounting data lounting method Schraubgewinde schraubgewinde Environmental characteristics Climatic perating temperature min25 °C	Current operating per contact max.	4 A	
Installation Connection Itripping length (jacket) 20 mm Iounting set M16 x 1.5 Iridith across flats SW19 Device protection Electrical Protection NEMA 3, 4, 6P diditional condition protection degree inserted, screwed solution Degree 3 ated surge voltage 1,5 kV laterial group (IEC 60664-1) I Mechanical data Material data oating locking nickel plated oating of fitting nickel plated oaking material Brass laterial screw connection Brass Mechanical data Mounting data lounting method Schraubgewinde poking method Schraubgewinde Environmental characteristics Climatic perating temperature min25 °C	Diagnostics		
tripping length (jacket) 20 mm lounting set M16 x 1.5 fridth across flats SW19 Device protection Electrical rotection NEMA 3, 4, 6P diditional condition protection degree inserted, screwed ollution Degree 3 ated surge voltage 1,5 kV laterial group (IEC 60664-1) I Mechanical data Material data oating locking nickel plated oating of fitting nickel plated oating of fitting nickel plated oating aterial screw connection Brass Mechanical data Mounting data founting method Schraubgewinde Environmental characteristics Climatic perating temperature min25 °C	Status indication LED	no	
Idunting set M16 x 1.5 Idith across flats SW19 Device protection Electrical rotection NEMA 3, 4, 6P diditional condition protection degree inserted, screwed ollution Degree 3 ated surge voltage 1,5 kV laterial group (IEC 60664-1) I Mechanical data Material data orating locking nickel plated orating of fitting nickel plated orating aterial screw connection Brass laterial screw connection Brass Mechanical data Mounting data lounting method Schraubgewinde Environmental characteristics Climatic Environmental tharacteristics Climatic Environmental temperature min25 °C	Installation Connection		
Device protection Electrical rotection NEMA 3, 4, 6P dditional condition protection degree inserted, screwed ollution Degree 3 ated surge voltage 1,5 kV laterial group (IEC 60664-1) I Mechanical data Material data oating locking nickel plated oating of fitting nickel plated ocking material Brass laterial screw connection Brass Mechanical data Mounting data lounting method Schraubgewinde coking techniques Schraubgewinde Environmental characteristics Climatic perating temperature min25 °C	Stripping length (jacket)	20 mm	
Device protection Electrical rotection NEMA 3, 4, 6P dditional condition protection degree inserted, screwed ollution Degree 3 ated surge voltage 1,5 kV laterial group (IEC 60664-1) I Mechanical data Material data oating locking nickel plated oating of fitting nickel plated ocking material Brass laterial screw connection Brass Mechanical data Mounting data lounting method Schraubgewinde ooking techniques Schraubgewinde Environmental characteristics Climatic perating temperature min25 °C	Mounting set	M16 x 1.5	
rotection NEMA 3, 4, 6P dditional condition protection degree inserted, screwed ollution Degree 3 ated surge voltage 1,5 kV laterial group (IEC 60664-1) I Wechanical data Material data oating locking nickel plated oating of fitting nickel plated ocking material Brass laterial screw connection Brass Wechanical data Mounting data lounting method Schraubgewinde ooking techniques Schraubgewinde ooking techniques Climatic Environmental characteristics Climatic	Width across flats	SW19	
rotection NEMA 3, 4, 6P dditional condition protection degree inserted, screwed ollution Degree 3 ated surge voltage 1,5 kV laterial group (IEC 60664-1) I Wechanical data Material data oating locking nickel plated oating of fitting nickel plated ocking material Brass laterial screw connection Brass Wechanical data Mounting data lounting method Schraubgewinde ooking techniques Schraubgewinde ooking techniques Climatic Environmental characteristics Climatic	Device protection Electrical		
dditional condition protection degree inserted, screwed ollution Degree 3 ated surge voltage 1,5 kV laterial group (IEC 60664-1) I Mechanical data Material data oating locking nickel plated oating of fitting nickel plated oating aterial screw connection Brass laterial screw connection Brass lounting method Schraubgewinde ooking techniques Schraubgewinde Environmental characteristics Climatic	•	3 4 6P	
ated surge voltage 1,5 kV laterial group (IEC 60664-1) I Mechanical data Material data oating locking nickel plated oating of fitting nickel plated oating material Brass laterial screw connection Brass leterial screw connection Brass lounting method Schraubgewinde ooking techniques Schraubgewinde perating temperature min25 °C			—
ated surge voltage 1,5 kV Iderial group (IEC 60664-1) I Mechanical data Material data oating locking nickel plated oating of fitting nickel plated ooking material Brass Iderial screw connection Brass Mechanical data Mounting data Jounting method Schraubgewinde ooking techniques Schraubgewinde Environmental characteristics Climatic perating temperature min25 °C			
Mechanical data Material data oating locking nickel plated oating of fitting nickel plated ocking material Brass laterial screw connection Brass Mechanical data Mounting data lounting method Schraubgewinde ooking techniques Schraubgewinde Environmental characteristics Climatic			
Mechanical data Material data oating locking nickel plated oating of fitting nickel plated ocking material Brass laterial screw connection Brass Mechanical data Mounting data lounting method Schraubgewinde ooking techniques Schraubgewinde Environmental characteristics Climatic			
oating locking nickel plated oating of fitting nickel plated ocking material Brass laterial screw connection Brass Mechanical data Mounting data lounting method Schraubgewinde ooking techniques Schraubgewinde Environmental characteristics Climatic perating temperature min25 °C		·	
oating of fitting ocking material ocking material Brass Identical data Mounting data Mounting data Identical data Mounting data Mounting data Mounting data Mounting data M		nickel plated	
bocking material Brass Iderial screw connection Brass Mechanical data Mounting data Identify method Schraubgewinde Schraubgewinde Environmental characteristics Climatic perating temperature min25 °C		· · · · · · · · · · · · · · · · · · ·	
Alaterial screw connection Brass Mechanical data Mounting data Iounting method Schraubgewinde Doking techniques Schraubgewinde Environmental characteristics Climatic Operating temperature min25 °C		<u> </u>	
Mechanical data Mounting data Jounting method Schraubgewinde poking techniques Schraubgewinde Environmental characteristics Climatic perating temperature min25 °C			
lounting method Schraubgewinde soking techniques Schraubgewinde Environmental characteristics Climatic sperating temperature min25 °C			
perating temperature min. Schraubgewinde Schraubgewinde -25 °C		Cohraving	
Perating temperature min25 °C	<u> </u>		
perating temperature min25 °C		Schraubgewinde	
perating temperature max. 85 °C	Operating temperature min.		
	Operating temperature max.	85 °C	

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: 2024-05-18



stay connected

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.
Approvals	
UL 50E	yes
Installation Cable	
	red green
wire arrangement Cable identification	red, green 841
Jacket Color	violet
Type of Certificate	cURus
Amount stranding	1
Stranding	2 wires with 2 Filler twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	85 %
Banding	Fleece, Foil
Filler	yes
wire arrangement	red, green
Cable weigth	70,4 g/m
Material jacket	PUR
Shore hardness jacket	87 ± 3 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	7,7 mm
Tolerance outer diameter (sheath)	±5%
Amount wires	2
Outer diameter insulation	2,55 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	60 ± 3 Shore D
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free
Amount strands (wire)	19
Diameter of single wires	24 AWG
Conductor crosssection (wire)	24 AWG
Material conductor wire	Stranded copper wire, bare
Nominal voltage AC max.	300 V
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4,5 A
Electrical resistance line constant wire	72,2 Ω/km @ 20 °C
AC withstand voltage (wire - wire)	2 kV @ 60 s
Electric capacitance	29000 pF/km
Power frequency withstand voltage (wire - jacket)	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)	-20 °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)	7,5 x Outer diameter
Bending radius (dynamic)	12 x Outer diameter



No. of bending cycles (C-track)	5 Mio. @ 25 °C
Traversing distance (C-track)	5 m @ 25 °C horizontal
Travel speed (C-track)	3 m/s @ 25 °C