

## M12 female 0° A-cod. with cable V4A

PUR AWG24+22 shielded vt UL/CSA+drag ch. 3m

DeviceNet, CANopen Female straight M12, 5-pole A-coded Stainless steel 1.4404 (V4A)

Art-No. 7005 - M12 Lite - (plastic hexagonal screw) on request

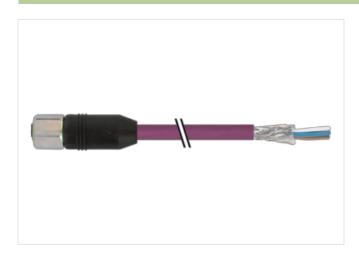
Plastic housings with good resistance against chemicals and oils.

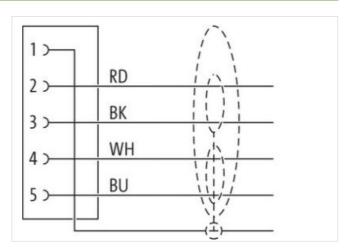
The resistance to aggressive media should be individually tested for your application. Further details on request.

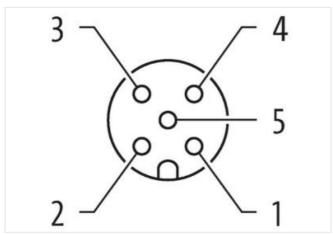
Further cable lengths on request.

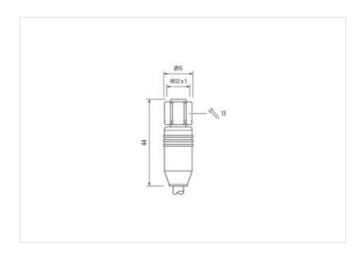
## **Link to Product**

## Illustration









Product may differ from Image





Cable length



Section   Sect		
	Side 1	
Sealing contract   Sealing S	• • •	· · · · · · · · · · · · · · · · · · ·
Mile		•
March   Marc		
Adaptive contact	Family construction form	
Afterial contact         Capper alloy           Ko. of poles         5           Ko. of poles         5           Virtility carces falls         SW13           Subgroup of protection (EN IEC 80529)         IP67           Sife 2           Sife 2           Sife 2           Sife 2           Connected data           CLASS 50           CECLASS 5-70         27279218           CECLASS 60         27279218           CECLASS 60         270603011           CECLASS 61.0.1         27060307           CECLASS 61.0.1         27060307           CECLASS 61.0.1         27060307           CECLASS 11.0.1         27060307           CECLASS 12.0         27060307           CECLASS 12.0         27060307           CECLASS 11.0         27060307           CECLASS 11.0         27060307	Thread	M12 x 1
No. of poles   5	Coding	
Width across flats         SW13           Signe or protection (EN IEC 60529)         IPE7           Side 2         PE7           Stripping length (jacket)         20 mm           Dealing contact         gold plated           CCLASS 6.0         27279218           CCLASS 7.0         27279218           CCLASS 8.0         27060311           CCLASS 8.0         27060307           CCLASS 1.0.1         27060307           CCLASS 1.2.0         27060307		
Page of protection (EN IEC 60529)   P87	No. of poles	
Side 2         Side plant (lacked)         20 mm           Soliting contact         gold plated           Commercial data         Commercial data           ECLASS-6.0         27279218           CLASS-7.0         27279218           CLASS-9.0         2779018           CCLASS-9.1         27000307           CCLASS-10.1         27000307           CCLASS-11.1         27000307           CCLASS-12.0         27000307      <	Width across flats	
Stripping length (jacket)   20 mm	Degree of protection (EN IEC 60529)	IP67
Seating contact   gold plated	Side 2	
Commercial data           CLASS-6.0         27279218           CLASS-7.0         27279218           CLASS-9.0         27063311           CLASS-9.0         27063311           CLASS-10.1         27063007           CLASS-11.1         27063007           CLASS-12.0         27063007           CLASS-12.0         E0001855           SITIM-5.0         EC001855           SISTIM         4048879516228           3TIN         4048879516228           3CASS, 12.0         5           Ectorical data   Supply           Operating voltage AC max.         60 V           Operating voltage AC max.         60 V           Operating voltage AC (UL-listed)         30 V	Stripping length (jacket)	20 mm
CLASS-6.0   27279218   CLASS-7.0   27279218   CLASS-8.0   27279218   CLASS-9.0   27060317   CLASS-9.0   27060317   CLASS-9.0   27060307   CLASS-9.1.1   27060307   CLASS-9.1.1   27060307   CLASS-9.0   2706	Coating contact	gold plated
CLASS-7.0   27279218   CLASS-8.0   27789218   CLASS-8.0   27789218   CLASS-8.0   27060317   CCLASS-10.1   27060307   CCLASS-11.1   27060307   CCLASS-11.1   27060307   CCLASS-12.0   CCLASS	Commercial data	
CCLASS-8.0   2779218   27060311   CCLASS-9.0   27060311   CCLASS-10.1   27060307   CCLASS-11.1   27060307   CCLASS-11.1   27060307   CCLASS-12.0   27060307   CCLASS-12.0   27060307   CCLASS-12.0   27060307   CCLASS-12.0   CC	ECLASS-6.0	27279218
CLASS-9.0   27060311   27060307	ECLASS-7.0	27279218
ECLASS-10.1 27060307 ECLASS-11.1 27060307 ECLASS-12.0 27060307 ETIM-5.0 ECO1855 ustoms tariff number 85444290 Both Seakaging unit 1 Electrical data   Supply Deparating voltage AC (PL-listed) 30 V Deparating voltage AC (PL-listed) 30 V Deparating voltage C (PL-	ECLASS-8.0	27279218
CLASS-11.1   27060307   CLASS-12.0   27060307   CLASS-12.0   27060307   CLASS-12.0   CLASS-12.0   CLASS-12.0   CLASS-12.0   CLASS-12.0   CLASS-12.0   CLASS-12.0   CLASS-13.0   CLASS-13.	ECLASS-9.0	27060311
ECLASS-12.0 27060307 ETIM-5.0 EC001855  sustoms tariff number 85444290  atTIN 4048879516228  attin 4048879516228  attin 50 eckaging unit 1  Electrical data   Supply  Departing voltage AC max. 60 V  Departing voltage AC max. 60 V  Departing voltage AC (UL-listed) 30 V  Departing voltage DC (UL-listed) 40 V  Departing voltage DC (	ECLASS-10.1	27060307
ETIM-5.0 EC001855  ustoms tariff number 85444290  3TIN 4048879516228  Zeakaging unit 1  Electrical data   Supply  Deparating voltage AC max. 60 V  Deparating voltage DC max. 60 V  Deparating voltage DC (UL-listed) 30 V  Deparating voltage (UL-listed) 40 V  Depar	ECLASS-11.1	27060307
ustoms tariff number 85444290 3TIN 4048879516228  Telectrical data   Supply  Deperating voltage AC max. 60 V  Deperating voltage AC (UL-listed) 30 V  Deperating voltage AC (UL-listed) 30 V  Deperating voltage DC (UL-listed) 4A A  Diagnostics  Status indication LED no better in several (UL-listed) 4A A  Diagnostics  Stripping length (jacket) 20 mm  Device protection   Electrical (UL-listed) 4A A  Device protection   El	ECLASS-12.0	27060307
Archarida data   Supply    Deprating voltage AC max. 60 V    Deprating voltage AC max. 60 V    Deprating voltage AC (UL-listed) 30 V    Deprating voltage AC (UL-listed) 40 A	ETIM-5.0	EC001855
Packaging unit 1  Electrical data   Supply  Operating voltage AC max. 60 V  Operating voltage AC max. 60 V  Operating voltage AC (LI-listed) 30 V  Operating voltage AC (LI-listed) 40 V  Operating voltage AC (LI-li	customs tariff number	85444290
Electrical data   Supply  Operating voltage AC max. 60 V  Operating voltage AC (UL-listed) 30 V  Operating voltage DC (UL-listed) 30 V  Operating voltage Note Note Note Note Note Note Note Not	GTIN	4048879516228
Apperating voltage AC max. 60 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage Voltage Note To volt	Packaging unit	1
Operating voltage DC max. 60 V Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Our operating per contact max. 4 A  Diagnostics Status indication LED no Installation   Connection Stripping length (jacket) 20 mm  Device protection   Electrical voltage and protection degree inserted, screwed  Pollution Degree 3  Valet of Surgicial Status voltage and screwed voltage voltage 1,5 kV Material group (IEC 60664-1) I  Mechanical data Contour for corrugated hose without  Mechanical data   Material data Material gasket FKM Material gasket FKM Material gasket Stainless steel 1.4404 (V4A)  Mechanical data   Mounting data Mounting method inserted, screwed, Shaking protection	Electrical data   Supply	
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Operating voltage AC (UL-listed) 30 V Operating voltage DC (UL-listed) 30 V Our rent operating per contact max. 4 A  Diagnostics Status indication LED no Installation   Connection Stripping length (jacket) 20 mm  Device protection   Electrical Additional condition protection degree inserted, screwed Pollution Degree 3 Rated surge voltage 1,5 kV Alaterial group (IEC 60664-1) I  Mechanical data Contour for corrugated hose without  Mechanical data   Material data Alaterial possing PUR Alaterial housing PUR Alaterial Mechanical data   Mounting data Mechanical data   Mounting method inserted, screwed, Shaking protection		
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Diagnostics Status indication LED no Installation   Connection Stripping length (jacket) 20 mm  Device protection   Electrical Additional condition protection degree inserted, screwed Follution Degree 3 Asterial group (IEC 60664-1) I  Mechanical data Contour for corrugated hose without  Material gasket FKM Adaterial gasket FKM Adaterial gasket FKM Adaterial housing PUR Adechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection		30 V
Diagnostics Status indication LED no Installation   Connection  Stripping length (jacket) 20 mm  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Material gasket FKM  Material housing PUR  Jocking material Stainless steel 1.4404 (V4A)  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection		
Installation   Connection  Stripping length (jacket) 20 mm  Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Material gasket FKM  Material posses the first of the first occurrence		
Stripping length (jacket) 20 mm  Device protection   Electrical		
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Device protection   Electrical  Additional condition protection degree inserted, screwed  Pollution Degree 3  Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Material gasket FKM  Material housing PUR  Jocking material Stainless steel 1.4404 (V4A)  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Installation   Connection	
Additional condition protection degree inserted, screwed  Pollution Degree 3 Rated surge voltage 1,5 kV  Material group (IEC 60664-1) I  Mechanical data  Contour for corrugated hose without  Mechanical data   Material data  Material gasket FKM  Material housing PUR  Locking material Stainless steel 1.4404 (V4A)  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Stripping length (jacket)	20 mm
Pollution Degree 3 Rated surge voltage 1,5 kV Material group (IEC 60664-1) I  Mechanical data Contour for corrugated hose without  Mechanical data   Material data Material gasket FKM Material housing PUR Cocking material Stainless steel 1.4404 (V4A)  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Device protection   Electrical	
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Material group (IEC 60664-1)  Mechanical data Contour for corrugated hose without  Mechanical data   Material data  Material gasket FKM Material housing PUR Cocking material Stainless steel 1.4404 (V4A)  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Pollution Degree	3
Mechanical data Contour for corrugated hose without  Mechanical data   Material data  Material gasket FKM  Material housing PUR  Cocking material Stainless steel 1.4404 (V4A)  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Rated surge voltage	1,5 kV
Mechanical data   Material data  Material gasket FKM  Material housing PUR  Locking material Stainless steel 1.4404 (V4A)  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	Material group (IEC 60664-1)	I
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Material gasket FKM  Material housing PUR  ocking material Stainless steel 1.4404 (V4A)  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	<u>-</u>	
Material housing PUR  ocking material Stainless steel 1.4404 (V4A)  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection		FKM
Stainless steel 1.4404 (V4A)  Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection	<u> </u>	
Mechanical data   Mounting data  Mounting method inserted, screwed, Shaking protection		
Mounting method inserted, screwed, Shaking protection		
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Environmental characteristics   Climatic		
	Environmental characteristics   Climati	c .



stay connected

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.
Note on bending radius	<b>Attention:</b> Observe the permissible bending radii when laying cables, as the IP protection class can be endangered by excessive bending forces.
Conformity	
Product standard	DIN EN 61076-2-101 (M12)
Installation   Cable	
·	803
Cable identification  Jacket Color	
	violet
Гуре of Certificate	cURus
Amount stranding	1
Stranding	2 wires twisted
Amount stranding (type 2)	1
Stranding (type 2)	2 Stranded joints twisted
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	65 %
Banding	Foil
Orain wire (cross-section)	22 AWG
vire arrangement	(white, blue), (black, red)
Cable weigth	63,12 g/m
Material jacket	PUR
Shore hardness jacket	90 ± 5 Shore A
reedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Outer-diameter (jacket)	6,9 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PE
Amount wires	2
Outer diameter insulation	2,1 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	64 ± 5 Shore D
ngredient freeness wire insulation	lead-free, CFC-free, halogen-free
Amount strands (wire)	19
Diameter of single wires	24 AWG
Conductor crosssection (wire)	24 AWG
Orain wire (cross-section)	22 AWG
Material conductor wire	copper stranded wire, tinned
Electrical function wire	Data
Material wire insulation (Data)	PE PE
Outer diameter wire insulation (Data)	1,5 mm
<u> </u>	± 53 %
ngredient 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
Frayoreina dietanos (C trook)	
Fraversing distance (C-track)  Nominal voltage AC max.	5 m 300 V



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