

MVP12-METALL, 4XM12, 5-POLE, PRE-WIRED CABLE

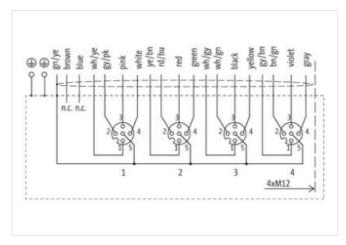
15.0m PUR 16x0,34+3X0.75

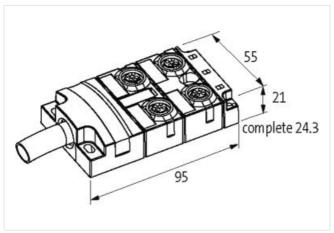
4-way UNIVERSAL, shielded 15.0 m 5-pole, with LED Replaces identical product (Art.No. 27464) Further cable lengths on request.

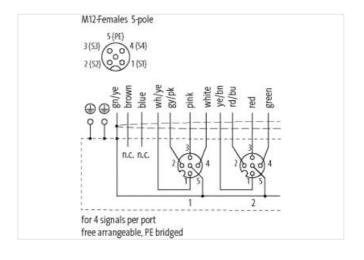
Link to Product

Illustration









Product may differ from Image









Commercial data		
ECLASS-6.0	27279219	
ECLASS-6.1	27279219	
ECLASS-7.0	27279219	
ECLASS-8.0	27279219	
ECLASS-9.0	27440108	

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: 2024-05-03



stay connected

ECLASS-10.1	27440108
ECLASS-10.1	27440108
ECLASS-11.1	27440108
ETIM-5.0	EC002585
customs tariff number	85444290
GTIN	4048879350594
	1
Packaging unit	<u> </u>
Electrical data Supply	
Operating voltage AC max.	42 V
Operating voltage DC max.	42 V
Current operating per contact max.	4 A
Installation Connection	
Mounting set	M12 x 1
Device protection Electrical	
Degree of protection (EN IEC 60529)	IP65, IP67, IP68
Mechanical data Material data	
Coating housing	Nickeled
Material housing	Zinc die-casting
Mechanical data Mounting data	
Mounting method	Schraubgewinde
Environmental characteristics Climatic	
Operating temperature min.	-25 °C
Operating temperature max.	90 °C
Additional condition temperature range	depending on cable quality
Installation Cable	
Cable identification	401
Jacket Color	gray
Type of Certificate	cURus
Amount stranding	1
Stranding	3 wires twisted
Stranding factor min.	80 mm
Stranding factor max.	80 mm
Amount stranding (type 2)	1
Stranding (type 2)	16 wires around Stranding combination counter-rotating twisted
Stranding factor min. (type 2)	120 mm
Stranding factor max. (type 2)	120 mm
Cable shielding (type)	copper braid, tinned
Cable shielding (coverage)	80 %
Banding	Fleece
wire arrangement	(gray-pink, violet, brown-gray, black, gray-white, red, brown-yellow, pink, yellow-white, gray, brown-green, yellow, green-white, green, red-blue, white), brown, blue, green-yellow
Cable weigth	237,6 g/m
Material jacket	PUR
Shore hardness jacket	94 ± 5 Shore A
Freedom from ingredients (jacket)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free, LABS-free
Outer-diameter (jacket)	11,7 mm
Tolerance outer diameter (sheath)	±5%
Material wire insulation	PP
Amount wires	3
Outer diameter insulation	2,6 mm
Outer diameter tolerance core insulation	±5%
Shore hardness wire insulation	55 ± 5 Shore D



Amount strands (wire) 96 Diameter of single wires 0,1 mm Conductor consessetion (wire) 0,75 mm² Material conductor vive Stranded copper wire, bare Conductor (pye (wire) strand class 6 Traversing distance (C-track) 1,8 m @ 25 °C horizontal Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,3 mm Tolerance unter diameter wire insulation (Data) 1,3 mm Tolerance unter diameter wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 16 Amount witer (Data) 16 Amount witer (Data) 16 Amount witer (Data) 16 Amount witer (Data) 42 Diameter of single wires (Data) 0,1 mm Material conductor wire (Data) 0,34 mm² Material conductor wire (Data) 5 stranded dospper wire, bare Wire conductor rype (Data) 300 V Max. rated voltage (conductor - ground) 300 V Max. rated voltage (conductor - ground) <t< th=""><th>Ingredient freeness wire insulation</th><th>lead-free, cadmium-free, CFC-free, halogen-free, silicone-free</th></t<>	Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Material conductor vire Stranded copper wire, bare	Amount strands (wire)	96
Material conductor wire Stranded copper wire, bare Conductor type (wire) strand class 6 Traversing distance (C-track) 1.8 m @ 25 °C horizontal Material wire insulation (Data) P Outer diameter wire insulation (Data) 1.3 mm Tolerance outer diameter wire insulation (Data) 5.5 % Shore hardness wire insulation (Data) 5.5 € Shore D Ingredient freeness wire insulation (Data) 16 € Amount wires (Data) 16 Amount wires (Data) 42 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 42 Wire conductor type (Data) Strand decoper wire, bare Wire conductor type (Data) Strand class 6 Max. rated voltage (conductor - conductor) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. Wire 12 A Current load capacity min. Wire (Data) 4 A Electrical resistance line constant wire 26 Ω/km @ 20 °C Electrical resistance locating wire (Data) 53 Ω/km @ 20 °C Electrical resistance coating wire (Data) 2 k V @ 60	Diameter of single wires	0,1 mm
Conductor type (wire) strand class 6 Traversing distance (C-rack) 1,8 m @ 25 °C horizontal Material wire insulation (Data) PP Outer diameter wire insulation (Data) 1,3 mm Tolerance outer diameter wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) 16 Amount wires (Data) 16 Amount strands wire (Data) 42 Diameter of single wires (Data) 0,1 mm Conductor crossection wire (Data) 0,34 mm² Material conductor wire (Data) 0,34 mm² Material conductor wire (Data) 0,34 mm² Max rated voltage (conductor - conductor) 300 V Max. rated voltage (conductor - ground) 300 V Max. rated voltage (conductor - ground) 300 V Current load capacity min. Wire (Data) 4 A Electrical resistance line constant wire 26 Ω/km @ 20 °C Electrical resistance coating wire (Data) 53 Ω/km @ 20 °C Ac withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - sheld)	Conductor crosssection (wire)	0,75 mm²
Traversing distance (C-track)	Material conductor wire	Stranded copper wire, bare
Material wire insulation (Data)	Conductor type (wire)	strand class 6
Outer diameter wire insulation (Data) 1,3 mm Tolerance outer diameter wire insulation (data) ± 5 % Shore hardness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 16 Amount strands wire (Data) 42 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 5tranded copper wire, bare Material conductor wire (Data) Stranded copper wire, bare Mire conductor type (Data) strand class 6 Max. rated voltage (conductor - conductor) 300 V Current load capacity (standard) to DIN VDE 0288-4 Current load capacity min. wire 12 A Current load capacity min. Wire (Data) 4 A Electrical resistance line constant wire 26 Ω/km @ 20 °C Electrical resistance coating wire (Data) 53 Ω/km @ 20 °C AC withstand voltage (wire - shield) 2 kV @ 60 s Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (min. (dynamic)	Traversing distance (C-track)	1,8 m @ 25 °C horizontal
Tolerance outer diameter wire insulation (data) ± 5 % Shore hardness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 16 Amount strands wire (Data) 42 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) Stranded copper wire, bare Wire conductor type (Data) Stranded copper wire, bare Wire	Material wire insulation (Data)	PP
Shore hardness wire insulation (Data) 55 ± 5 Shore D Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 16 Amount strands wire (Data) 42 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) Stranded copper wire, bare Material conductor vire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Max. rated voltage (conductor - conductor) 300 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. Wire (Data) 4 A Electrical resistance line constant wire 26 Ω/km @ 20 °C Electrical resistance sitance volting wire (Data) 53 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature min. (dynamic) -40 °C Operating temperature max. (dynamic) 90 °C Plame resistance Good. applic	Outer diameter wire insulation (Data)	1,3 mm
Ingredient freeness wire insulation (Data) lead-free, cadmium-free, CFC-free, halogen-free, silicone-free Amount wires (Data) 16 Amount strands wire (Data) 42 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 0,34 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity standard) to DIN VDE 0298-4 Current load capacity min. Wire (Data) 4 A Electrical resistance line constant wire 26 Ω/km @ 20 °C Electrical resistance soating wire (Data) 53 Ω/km @ 20 °C Electrical resistance voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) 40 °C Operating temperature max. (dynamic) 90 °C Flame resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Tolerance outer diameter wire insulation (data)	±5%
Amount wires (Data) 16 Amount strands wire (Data) 42 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 0,34 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) Stranded copper wire, bare Wire conductor type (Data) Stranded copper wire, bare Wire conductor type (Data) Strand class 6 Max. rated voltage (conductor - conductor) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Current load capacity min. wire (Data) 4 A Electrical resistance line constant wire 26 Q/km @ 20 °C Electrical resistance coating wire (Data) 53 Q/km @ 20 °C Electrical resistand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - sheld) 2 kV @ 60 s AC withstand voltage (wire - sheld) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature min. (dynamic) 90 °C Operating temperature min. (dynami	Shore hardness wire insulation (Data)	55 ± 5 Shore D
Amount strands wire (Data) 42 Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 0,3 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Max. rated voltage (conductor - conductor) 300 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. Wire (Data) 4 A Electrical resistance line constant wire 26 Q/km @ 20 °C Electrical resistance lous wire (Data) 53 Q/km @ 20 °C Electrical resistance voltage (wire - wire) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 90 °C Goerating temperature min. (dynamic) 90 °C Flame resistance Good, application-related testing Gasoline resistance DIN EN 68611-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Ingredient freeness wire insulation (Data)	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Diameter of single wires (Data) 0,1 mm Conductor crosssection wire (Data) 0,34 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) Stranded copper wire, bare Wire conductor type (Data) Strand class 6 Max. rated voltage (conductor - conductor) 300 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Current load capacity min. Wire (Data) 4 A Electrical resistance line constant wire 26 Ω/km @ 20 °C Electrical resistance ocating wire (Data) 53 Ω/km @ 20 °C Electrical resistance vire (Data) 53 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) 40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) 40 °C Operating temperature max. (dynamic) 90 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance DIN EN 60811-404 Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter Bending radius (fixed) 10 x Outer diameter	Amount wires (Data)	16
Conductor crosssection wire (Data) 0,34 mm² Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) strand class 6 Max. rated voltage (conductor - conductor) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Current load capacity min. Wire (Data) 4 A Electrical resistance line constant wire 26 Ω/km @ 20 °C Electrical resistance coating wire (Data) 53 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - siecket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (static) -40 °C Operating temperature min. (dynamic) -40 °C Operating temperature max. (dynamic) 90 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasciline resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing <t< td=""><td>Amount strands wire (Data)</td><td>42</td></t<>	Amount strands wire (Data)	42
Material conductor wire (Data) Stranded copper wire, bare Wire conductor type (Data) Max. rated voltage (conductor - ground) Current load capacity (standard) Current load capacity min. wire 12 A Current load capacity min. wire (Data) Electrical resistance line constant wire 26 Ω/km @ 20 °C Electrical resistance coating wire (Data) St Q @ 60 s Power frequency withstand voltage (wire - shield) AC with stand volt	Diameter of single wires (Data)	0,1 mm
Wire conductor type (Data) strand class 6 Max. rated voltage (conductor - conductor) 300 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. wire 12 A Current load capacity min. wire (Data) 4 A Electrical resistance ine constant wire 26 Ω/km @ 20 °C Electrical resistance coating wire (Data) 53 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - shield) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (fixed) 90 °C Max. operating temperature (fixed) 90 °C Operating temperature (fixed) 90 °C Operating temperature max. (dynamic) -40 °C Operating temperature max. (dynamic) 90 °C Flame resistance Good, application-related testing Gasoline resistance Good, application-related testing Gasoline resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter Bending radius (fixed) 10 x Outer diameter Bending radius (fixed) 12 x Outer diameter	Conductor crosssection wire (Data)	0,34 mm ²
Max. rated voltage (conductor - conductor) 300 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. Wire (Data) 12 A Current load capacity min. Wire (Data) 4 A Electrical resistance line constant wire 26 Ω/km @ 20 °C Electrical resistance coating wire (Data) 53 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - iacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -40 °C Operating temperature max. (dynamic) 90 °C Flame resistance UL 1581 § 1909 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gil resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Material conductor wire (Data)	Stranded copper wire, bare
Max. rated voltage (conductor - conductor) 300 V Max. rated voltage (conductor - ground) 300 V Current load capacity (standard) to DIN VDE 0298-4 Current load capacity min. Wire (Data) 12 A Current load capacity min. Wire (Data) 4 A Electrical resistance line constant wire 26 Ω/km @ 20 °C Electrical resistance coating wire (Data) 53 Ω/km @ 20 °C AC withstand voltage (wire - wire) 2 kV @ 60 s Power frequency withstand voltage (wire - iacket) 2 kV @ 60 s AC withstand voltage (wire - shield) 2 kV @ 60 s Min. operating temperature (static) -40 °C Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -40 °C Operating temperature max. (dynamic) 90 °C Flame resistance UL 1581 § 1909 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gil resistance DIN EN 60811-404 Good, application-related testing Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter		
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Jacket) AC withstand voltage (wire - shield) AC withstand voltage (wire - shield) Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) Operating temperature max. (dynamic) 90 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 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) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter		2 kV @ 60 s
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Operating temperature min. (dynamic		2 kV @ 60 s
Max. operating temperature (fixed) 90 °C Operating temperature min. (dynamic) -40 °C Operating temperature max. (dynamic) 90 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 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) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	AC withstand voltage (wire - shield)	2 kV @ 60 s
Operating temperature min. (dynamic) Operating temperature max. (dynamic) 90 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Min. operating temperature (static)	-40 °C
Operating temperature max. (dynamic) 90 °C Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 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) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Max. operating temperature (fixed)	90 °C
Flame resistance UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 chemical resistance Good, application-related testing Gasoline resistance Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Operating temperature min. (dynamic)	-40 °C
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) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Operating temperature max. (dynamic)	90 °C
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) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Flame resistance	UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
Oil resistance DIN EN 60811-404 Good, application-related testing Bending radius (installation) x Outer diameter Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	chemical resistance	Good, application-related testing
Bending radius (installation) x Outer diameter Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Gasoline resistance	Good, application-related testing
Bending radius (fixed) 10 x Outer diameter Bending radius (dynamic) 12 x Outer diameter	Oil resistance	DIN EN 60811-404 Good, application-related testing
Bending radius (dynamic) 12 x Outer diameter	Bending radius (installation)	x Outer diameter
	Bending radius (fixed)	10 x Outer diameter
The description of (O text)	Bending radius (dynamic)	12 x Outer diameter
ravei speed (U-track) 5 Mio. @ 25 °C	Travel speed (C-track)	5 Mio. @ 25 °C
Connection type 2	Connection type 2	
Family construction form free cable end	Family construction form	free cable end
No. of poles 19	No. of poles	19
Family construction form M12	Family construction form	M12
Gender female	Gender	female
Color contact carrier black	Color contact carrier	black
Coding A	Coding	A
No. of poles 5	No. of poles	5
PIN 1 S 1	PIN 1	S1
PIN 2 S 2	PIN 2	\$2
PIN 3 S 3	PIN 3	\$3
PIN 4 S 4	PIN 4	S 4

Product-PDF for Article 8000-54712-4011500



PIN 5	PE