

MVP-METALL, 8XM12, 5POLE, PRE-WIRED CABLE

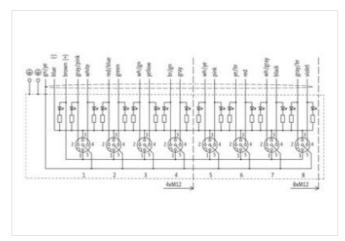
5.0m PUR 16x0,34+3X0.75, UL/CSA

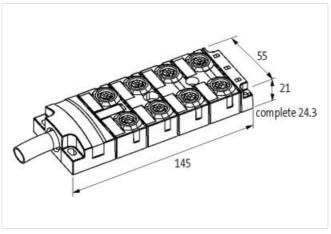
8-way, 5-pole 5.0 m shielded Replaces identical product (Art.No. 27512) with LED for digital PNP-signals 24 V DC Further cable lengths on request.

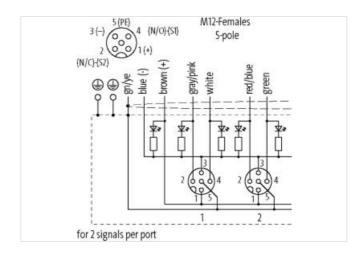
Link to Product

Illustration









Product may differ from Image









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



stay connected

ECLASS-9.0	27440108
ECLASS-10.1	27440108
ECLASS-11.1	27440108
ECLASS-12.0	27440108
ETIM-5.0	EC002585
customs tariff number	85444290
GTIN	4048879352093
Packaging unit	1
Electrical data Supply	
Operating voltage DC	24 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



Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, halogen-free, silicone-free
Amount strands (wire)	96
Diameter of single wires	0,1 mm
Conductor crosssection (wire)	0,75 mm ²
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)	PP
Outer diameter wire insulation (Data)	1,3 mm
Tolerance outer diameter wire insulation (data	· · · · · · · · · · · · · · · · · · ·
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)	0.34 mm ²
Material conductor wire (Data)	Stranded copper wire, bare
. ,	strand class 6
Wire conductor type (Data) Max. rated voltage (conductor - conductor)	300 V
	300 V
Max. rated voltage (conductor - ground)	to DIN VDE 0298-4
Current load capacity (standard)	
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 - jacket)	2 kV @ 60 s
AC withstand voltage (wire - shield)	2 kV @ 60 s
AC withstand voltage (wire - shield) Min. operating temperature (static)	2 kV @ 60 s -40 °C
Min. operating temperature (static)	-40 °C
Min. operating temperature (static) Max. operating temperature (fixed)	-40 °C 90 °C
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic)	-40 °C 90 °C -40 °C
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic)	-40 °C 90 °C -40 °C 90 °C
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance	-40 °C 90 °C -40 °C 90 °C UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance	-40 °C 90 °C -40 °C 90 °C UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Good, application-related testing
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance	-40 °C 90 °C -40 °C 90 °C UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Good, application-related testing Good, application-related testing
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance Oil resistance	-40 °C 90 °C -40 °C 90 °C UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (installation)	-40 °C 90 °C -40 °C 90 °C UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing x Outer diameter
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (installation) Bending radius (fixed)	-40 °C 90 °C -40 °C 90 °C UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing x Outer diameter 10 x Outer diameter
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (installation) Bending radius (fixed) Bending radius (dynamic)	-40 °C 90 °C -40 °C 90 °C UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing x Outer diameter 10 x Outer diameter 12 x Outer diameter
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (installation) Bending radius (fixed) Bending radius (dynamic) Travel speed (C-track)	-40 °C 90 °C -40 °C 90 °C UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing x Outer diameter 10 x Outer diameter 12 x Outer diameter
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (installation) Bending radius (fixed) Bending radius (dynamic) Travel speed (C-track) Connection type 2	-40 °C -40 °C -40 °C 90 °C UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing x Outer diameter 10 x Outer diameter 12 x Outer diameter 5 Mio. @ 25 °C
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (installation) Bending radius (fixed) Bending radius (dynamic) Travel speed (C-track) Connection type 2 Family construction form	-40 °C 90 °C -40 °C 90 °C UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing x Outer diameter 10 x Outer diameter 12 x Outer diameter 5 Mio. @ 25 °C
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (installation) Bending radius (fixed) Bending radius (dynamic) Travel speed (C-track) Connection type 2 Family construction form No. of poles	-40 °C 90 °C -40 °C 90 °C UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing x Outer diameter 10 x Outer diameter 12 x Outer diameter 5 Mio. @ 25 °C
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (installation) Bending radius (fixed) Bending radius (dynamic) Travel speed (C-track) Connection type 2 Family construction form No. of poles Family construction form	-40 °C 90 °C -40 °C 90 °C UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing x Outer diameter 10 x Outer diameter 12 x Outer diameter 5 Mio. @ 25 °C free cable end 16 M12
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (installation) Bending radius (fixed) Bending radius (dynamic) Travel speed (C-track) Connection type 2 Family construction form No. of poles Family construction form Gender	-40 °C -40 °C -40 °C -40 °C UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing x Outer diameter 10 x Outer diameter 12 x Outer diameter 5 Mio. @ 25 °C free cable end 16 M12 female
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (installation) Bending radius (fixed) Bending radius (dynamic) Travel speed (C-track) Connection type 2 Family construction form No. of poles Family construction form Gender Color contact carrier Coding	-40 °C 90 °C -40 °C 90 °C UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing x Outer diameter 10 x Outer diameter 12 x Outer diameter 5 Mio. @ 25 °C free cable end 16 M12 female black
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (installation) Bending radius (fixed) Bending radius (dynamic) Travel speed (C-track) Connection type 2 Family construction form No. of poles Family construction form Gender Color contact carrier	-40 °C 90 °C -40 °C 90 °C UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing x Outer diameter 10 x Outer diameter 12 x Outer diameter 5 Mio. @ 25 °C free cable end 16 M12 female black A
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (installation) Bending radius (fixed) Bending radius (dynamic) Travel speed (C-track) Connection type 2 Family construction form No. of poles Family construction form Gender Color contact carrier Coding No. of poles	-40 °C 90 °C -40 °C 90 °C UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing x Outer diameter 10 x Outer diameter 12 x Outer diameter 5 Mio. @ 25 °C free cable end 16 M12 female black A
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (installation) Bending radius (fixed) Bending radius (dynamic) Travel speed (C-track) Connection type 2 Family construction form No. of poles Family construction form Gender Color contact carrier Coding No. of poles PIN 1 PIN 2	-40 °C 90 °C -40 °C 90 °C UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing x Outer diameter 10 x Outer diameter 12 x Outer diameter 5 Mio. @ 25 °C free cable end 16 M12 female black A 5
Min. operating temperature (static) Max. operating temperature (fixed) Operating temperature min. (dynamic) Operating temperature max. (dynamic) Flame resistance chemical resistance Gasoline resistance Oil resistance Bending radius (installation) Bending radius (fixed) Bending radius (dynamic) Travel speed (C-track) Connection type 2 Family construction form No. of poles Family construction form Gender Color contact carrier Coding No. of poles PIN 1	-40 °C 90 °C -40 °C 90 °C UL 1581 § 1090 UL 1581 § 1100 FT2 IEC 60332-2-2 Good, application-related testing Good, application-related testing DIN EN 60811-404 Good, application-related testing x Outer diameter 10 x Outer diameter 12 x Outer diameter 5 Mio. @ 25 °C free cable end 16 M12 female black A 5

Product-PDF for Article 8000-58513-4010500

