

## PASSIVE-DIO° PLASTIC,4XM12,5POL,PRE-WIRED CABLE

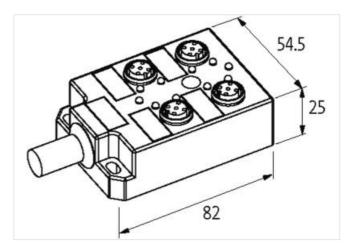
5.0m PUR-JB 8\*0,34+3\*0,75

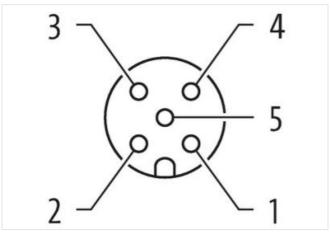
4-way, 5-pole PUR/PVC 5.0 m with LED for digital PNP-signals 24 V DC Further cable lengths on request. Plastic housings with good resistance against chemicals and oils.

## **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	
ECLASS-10.1	27440108	
ECLASS-11.1	27440108	
ECLASS-12.0	27440108	

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ETIM-5.0	EC002585
customs tariff number	85444290
GTIN	4048879063005
Packaging unit	1
Electrical data   Supply	
Operating voltage DC	24 V
Current operating per contact max.	4 A
Total current max.	10 A
	10 A
Industrial communication	
Number of signals per port	2
Installation   Connection	
Mounting set	M12 x 1
Device protection   Electrical	
Degree of protection (EN IEC 60529)	IP67
Additional condition protection degree	inserted, screwed
Mechanical data   Mounting data	· · ·
	Othershowledge
Mounting method	Schraubgewinde
Height	82 mm
Width	54,5 mm
Depth	25 mm
Environmental characteristics   Climatic	
Operating temperature min.	-20 °C
Operating temperature max.	80 °C
Installation   Cable	
Cable identification	363
Cable Type	2
Jacket Color	gray
Type of Certificate	cURus
STOOW style jacket	Hybrid, Signal, Power
Amount stranding	1
Stranding	2 wires with Filler twisted
Amount stranding (type 2)	4
	1
Stranding (type 2)	9 wires around Stranding combination twisted
Stranding (type 2) Cable shielding (type)	
	9 wires around Stranding combination twisted
Cable shielding (type)	9 wires around Stranding combination twisted copper braiding, bare 85 % yes
Cable shielding (type) Cable shielding (coverage) Filler wire arrangement	9 wires around Stranding combination twisted copper braiding, bare 85 % yes white, yellow, (gray, gray-pink, red-blue, green, green-white, brown-green, blue, brown, green-yellow)
Cable shielding (type) Cable shielding (coverage) Filler wire arrangement No. of bending cycles (C-track)	9 wires around Stranding combination twisted  copper braiding, bare  85 %  yes  white, yellow, (gray, gray-pink, red-blue, green, green-white, brown-green, blue, brown, green-yellow)  2 Mio. @ 25 °C
Cable shielding (type) Cable shielding (coverage) Filler wire arrangement No. of bending cycles (C-track) Cable weigth	9 wires around Stranding combination twisted  copper braiding, bare  85 %  yes  white, yellow, (gray, gray-pink, red-blue, green, green-white, brown-green, blue, brown, green-yellow)  2 Mio. @ 25 °C  143 g/m
Cable shielding (type) Cable shielding (coverage) Filler wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket	9 wires around Stranding combination twisted  copper braiding, bare  85 %  yes  white, yellow, (gray, gray-pink, red-blue, green, green-white, brown-green, blue, brown, green-yellow)  2 Mio. @ 25 °C  143 g/m  PUR
Cable shielding (type) Cable shielding (coverage) Filler wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket	9 wires around Stranding combination twisted  copper braiding, bare  85 %  yes  white, yellow, (gray, gray-pink, red-blue, green, green-white, brown-green, blue, brown, green-yellow)  2 Mio. @ 25 °C  143 g/m  PUR  87 ± 5 Shore A
Cable shielding (type) Cable shielding (coverage) Filler wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket)	9 wires around Stranding combination twisted  copper braiding, bare  85 %  yes  white, yellow, (gray, gray-pink, red-blue, green, green-white, brown-green, blue, brown, green-yellow)  2 Mio. @ 25 °C  143 g/m  PUR  87 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free
Cable shielding (type) Cable shielding (coverage) Filler wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket)	9 wires around Stranding combination twisted  copper braiding, bare  85 %  yes  white, yellow, (gray, gray-pink, red-blue, green, green-white, brown-green, blue, brown, green-yellow)  2 Mio. @ 25 °C  143 g/m  PUR  87 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  8,1 mm
Cable shielding (type) Cable shielding (coverage) Filler wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath)	9 wires around Stranding combination twisted  copper braiding, bare  85 %  yes  white, yellow, (gray, gray-pink, red-blue, green, green-white, brown-green, blue, brown, green-yellow)  2 Mio. @ 25 °C  143 g/m  PUR  87 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  8,1 mm  ± 5 %
Cable shielding (type) Cable shielding (coverage) Filler wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket	9 wires around Stranding combination twisted  copper braiding, bare  85 %  yes  white, yellow, (gray, gray-pink, red-blue, green, green-white, brown-green, blue, brown, green-yellow)  2 Mio. @ 25 °C  143 g/m  PUR  87 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  8,1 mm
Cable shielding (type) Cable shielding (coverage) Filler wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Color (inner jacket)	9 wires around Stranding combination twisted  copper braiding, bare  85 %  yes  white, yellow, (gray, gray-pink, red-blue, green, green-white, brown-green, blue, brown, green-yellow)  2 Mio. @ 25 °C  143 g/m  PUR  87 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  8,1 mm  ± 5 %  PVC  gray
Cable shielding (type) Cable shielding (coverage) Filler wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Color (inner jacket) Material wire insulation	9 wires around Stranding combination twisted  copper braiding, bare  85 %  yes  white, yellow, (gray, gray-pink, red-blue, green, green-white, brown-green, blue, brown, green-yellow)  2 Mio. @ 25 °C  143 g/m  PUR  87 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  8,1 mm  ± 5 %  PVC  gray  PVC
Cable shielding (type) Cable shielding (coverage) Filler wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Color (inner jacket) Material wire insulation Amount wires	9 wires around Stranding combination twisted  copper braiding, bare  85 %  yes  white, yellow, (gray, gray-pink, red-blue, green, green-white, brown-green, blue, brown, green-yellow)  2 Mio. @ 25 °C  143 g/m  PUR  87 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  8,1 mm  ± 5 %  PVC  gray  PVC
Cable shielding (type) Cable shielding (coverage) Filler wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Color (inner jacket) Material wire insulation Amount wires Outer diameter insulation	9 wires around Stranding combination twisted  copper braiding, bare  85 %  yes  white, yellow, (gray, gray-pink, red-blue, green, green-white, brown-green, blue, brown, green-yellow)  2 Mio. @ 25 °C  143 g/m  PUR  87 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  8,1 mm  ± 5 %  PVC  gray  PVC  8  1,3 mm
Cable shielding (type) Cable shielding (coverage) Filler wire arrangement No. of bending cycles (C-track) Cable weigth Material jacket Shore hardness jacket Freedom from ingredients (jacket) Outer-diameter (jacket) Tolerance outer diameter (sheath) Material inner jacket Color (inner jacket) Material wire insulation Amount wires	9 wires around Stranding combination twisted  copper braiding, bare  85 %  yes  white, yellow, (gray, gray-pink, red-blue, green, green-white, brown-green, blue, brown, green-yellow)  2 Mio. @ 25 °C  143 g/m  PUR  87 ± 5 Shore A  lead-free, cadmium-free, CFC-free, silicone-free  8,1 mm  ± 5 %  PVC  gray  PVC



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Material properties wire insulation	good machinability
Ingredient freeness wire insulation	lead-free, cadmium-free, CFC-free, silicone-free
Amount strands (wire)	19
Diameter of single wires	0,15 mm
Conductor crosssection (wire)	0,34 mm²
Material conductor wire	Stranded copper wire, bare
Conductor type (wire)	Strand class 5
Material wire insulation (Power)	PVC
Outer diameter wire insulation (Power)	1,8 mm
Tolerance outer diameter wire insulation (Power)	±5 %
Shore hardness wire insulation (Power)	43±5 Shore D
Material properties wire insulation (Power)	good machinability
Ingredient freeness wire insulation (Power)	lead-free, cadmium-free, CFC-free, silicone-free
Amount wires (Power)	3
Amount strands wire (Power)	24
Diameter of single wires (Power)	0,2 mm
Wire conductor cross section (Power)	0,75 mm²
Material conductor wire (Power)	Stranded copper wire, bare
Conductor type wire (Power)	Strand class 5
Traversing distance (C-track)	5 m @ 25 °C
Current load capacity (standard)	to DIN VDE 0298-4
Current load capacity min. wire	4 A
Electrical resistance line constant wire	57 Ω/km @ 20 °C
Electrical resistance coating wire (Power)	26 Ω/km @20 °C
Loop resistance	7,8 A
Max. rated voltage power (conductor - ground)	300 V
Max. rated voltage power (conductor - conductor)	300 V
Power frequency withstand voltage power (wire - jacket)	2 kV @ 60 s
AC withstand voltage power (wire - wire)	2 kV @ 60 s
Min. operating temperature (static)	-30 °C
Max. operating temperature (fixed)	0° 08 °C
Operating temperature min. (dynamic)	-5 °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	Good, application-related testing   DIN EN 60811-404
Bending radius (fixed)	5 x Outer diameter
Bending radius (dynamic)	10 x Outer diameter
Connection type 2	
Family construction form	free cable end
No. of poles	11
Family construction form	M12
Gender	female
Color contact carrier	black
Coding	A
No. of poles	5
PIN 1	+
PIN 2	NC S 2
PIN 3	-
PIN 4	NO S 1
PIN 5	PE
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**Product-PDF for Article 27833** 

