

M12 Power male 0° / female 0° L-cod.

PUR 4x2.5 bk UL/CSA+drag ch. 2.5m

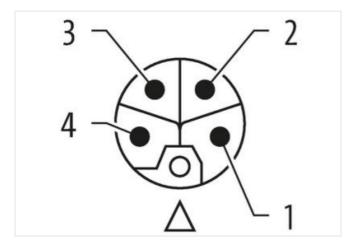
Power Male straight – female straight M12 – M12, 4-pole L-coded with cable sleeves Plastic housings with good resistance against chemicals and oils. The resistance to aggressive media should be individually tested for your application. Further details on request. Further cable lengths on request.

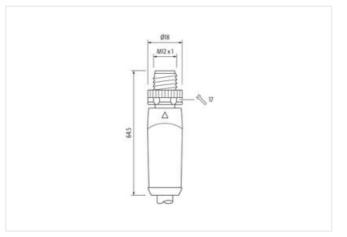
Link to Product

Illustration



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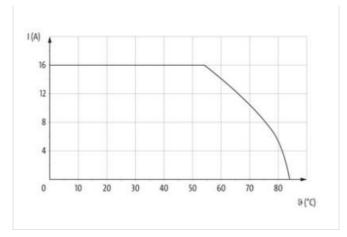


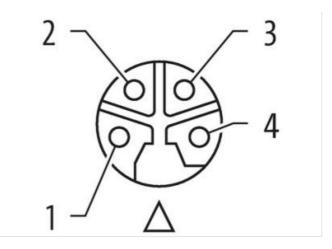


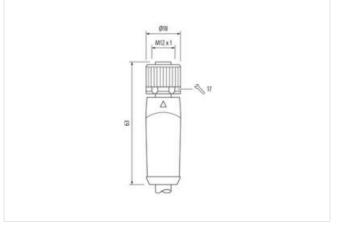
The information in this brochure has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2022-12-30

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Product may differ from Image



Form

1 Ulli	
Form	P4141
Technical Data	
Operating voltage	max. 63 V DC
Rated surge voltage	1.5 kV
Operating current per contact	max. 16 A
No. of poles	4
Material group	IEC 60664-1, category I
Coding	L-coded
LED display	no
Locking of ports	Screw thread (M12×1 mm) recommended torque 0.6 Nm, self-securing
Protection	IP65 and IP67 when plugged and screwed down (EN 60529)
Material	PUR
Locking material	Zinc die casting, matte nickel plated
suitable for corrugated tube (internal \emptyset)	12 mm
Compression gland	M12 (SW17)
General data	
Standards	IEC 61076-2-111

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Material (contact aurface) Au Material (contact aurface) FXM Polliuon Degree 3 Temperature range -25455 °C, depending on cable quality Cable Cable Cable 57455 °C, depending on cable quality Cable Cable Type Cable Might (pm) 201.3 g Material (winy) Cu vino bare Resistor (core) max. 7.88 (Xm (20 °C) Single wire 60 (core) 0.15 mm Damedar (core) 4.2.5 mm² Aureral (wire isolation) PP Material (wire isolation) PP Material property (wire isolation) 0.45 cmm Shore hardness (wire isolation) 0.45 Cmm Mitered (wire isolation) 0.45 Cmm 45% Colorumboring of wires b. b. b. b. wired Share hardness (wire isolation) 4.9 S mm 45% Colorumboring of wires b.7 b.	Mounting method	inserted, tightened
Material (gasket) FKM Pollution Dagree 3 Temperature range 25+85 °C, depending on cable quality Cable Temperature range Cable identification P37 Cable identification P37 Cable weight (gm] 201.3 g Material (wrie) Cu wire, bare Resistor (core) max. 7.3 B Okm (20 °C) Single wire Ø (core) 0.15 mm Diamotic (core) 4.2.5 mm ² AVG similar to AVG 14 Material (wire isolation) PP Material property (wire isolation) 60 + 5D Wire-Ø Inci. isolation 2.85 mm +5%. Colormumbering of wires br, bk, bk, mum Stranding combination 4 wires twisted Sheid no Material property (gacket) 90 ± 5. A Outer Ø (gacket) Back Color igacket 90 ± 5. A Outer Ø (gacket) Back Color igacket 90 ± 5. A Outer Ø (gacket) Back Color igacket Bane A <t< td=""><td>Material (contact)</td><td>Copper alloy</td></t<>	Material (contact)	Copper alloy
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Color/numbering of wires br, bk, bl, wh, num Stranding combination 4 wires twisted Shield no Material (jacket) PUR Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant Shore hardness (jacket) 90 ± 5 A Outer-Ø (jacket) 8.7 mm ±5% Color (jacket) 8.7 mm ±5% Color (jacket) black chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2 Nominal voltage 1000 V AC Test voltage 1000 V AC Test voltage 1000 V AC Temperature range (fixed) -50+80 °C, (+90 °C at max. 10 000 operating hours) Temperature range (mobile) -25+80 °C, (+90 °C at max. 10 000 operating hours) Bend radius (moving) 10× outer Ø No. of bending cycles (C-track) max. 5 Mio. (25 °C) Torsion sytess ±180°/m No. of torsion cycles max. 5 Mio. (25 °C) Torsion sytess ±180°/m No. of tors	Shore hardness (wire isolation)	60 ±5 D
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Shield no Material (jacket) PUR Material property (jacket) CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion-resistant, hydrolysis and microbial resistant Shore hardness (jacket) 90 ±5 A Outer-Ø (jacket) 8.7 mm ±5% Color (jacket) 8.7 mm ±5% Color (jacket) black chemical resistance good resistance to oil, gasoline and chemicals (EN 60811-404) thermal resistance flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-2-2 Nominal voltage 1000 V AC Test voltage 10.0 kV Current load capacity to DIN VDE 0298-4 Temperature range (fixed) -50+80 °C, (+90 °C at max. 10 000 operating hours) Temperature range (mobile) -25+80 °C, (+90 °C at max. 10 000 operating hours) Bend radius (fixed) 7.5× outer Ø No. of bending cycles (C-track) max. 5 Mio. (25 °C) Travel speed (C-track) max. 3 m/s Acceleration (C-track) max. 2 Mio. (25 °C) Torsion stress ±180°/m No. of bending cycles max. 2 Mio. (25 °C) Torsion stress </td <td>Color/numbering of wires</td> <td>br, bk, bl, wh, num</td>	Color/numbering of wires	br, bk, bl, wh, num
Material (jacket)PURMaterial property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistantShore hardness (jacket)90 ±5 AOuter-Ø (jacket)8.7 mm ±5%Color (jacket)blackchemical resistancegood resistance to oil, gasoline and chemicals (EN 60811-404)thermal resistanceflame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2Nominal voltage1000 V ACTest voltage100.0 kVCurrent bad capacityto DIN VDE 0298-4Temperature range (fixed)-55+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5x outer ØNo. of bending cycles (C-track)max. 3 m/sAcceleration (C-track)max. 3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manulacturer7000-P4141-P370250	Stranding combination	4 wires twisted
Material property (jacket)CFC-, halogen-, cadmium-, silicone- and lead-free, matt, low-adhesion, machine easy to process, abrasion- resistant, hydrolysis and microbial resistantShore hardness (jacket)90 ±5 AOuter-Ø (jacket)8.7 mm ±5%Color (jacket)blackchemical resistancegood resistance to oil, gasoline and chemicals (EN 60811-404)thermal resistanceflame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2Nominal voltage1000 V ACTest voltage10.0 kVCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-50+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5x outer ØBend radius (fixed)max. 5 Mio. (25 °C)Travel speed (C-track)max. 5 Mis²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Shield	no
Material property (gcket)resistant, hydrolysis and microbial resistantShore hardness (jacket)90 ± 5 AOuter-Ø (jacket)8.7 mm ±5%.Color (jacket)blackchemical resistancegood resistance to oil, gasoline and chemicals (EN 60811-404)thermal resistanceflame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2Noninal voltage1000 V ACTest voltage10.0 kVCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-50+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Trases±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Material (jacket)	PUR
Outer-Ø (jacket)8.7 mm ±5%Color (jacket)blackchemical resistancegood resistance to oil, gasoline and chemicals (EN 60811-404)thermal resistanceflame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2Nominal voltage1000 V ACTest voltage10.0 kVCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-50+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Material property (jacket)	
Color (jack)blackchemical resistancegood resistance to oil, gasoline and chemicals (EN 60811-404)thermal resistanceflame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2Nominal voltage1000 V ACTest voltage10.0 kVCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-50+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Shore hardness (jacket)	90 ±5 A
chemical resistancegood resistance to oil, gasoline and chemicals (EN 60811-404)thermal resistanceflame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2Nominal voltage1000 V ACTest voltage10.0 kVCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-50+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Outer-Ø (jacket)	8.7 mm ±5%
thermal resistanceflame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2Nominal voltage1000 V ACTest voltage10.0 kVCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-50+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Color (jacket)	black
Nominal voltage1000 V ACTest voltage10.0 kVCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-50+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer700-P4141-P370250	chemical resistance	good resistance to oil, gasoline and chemicals (EN 60811-404)
Test voltage10.0 kVCurrent load capacityto DIN VDE 0298-4Temperature range (fixed)-50+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	thermal resistance	flame retardant UL 1581 VW1 / CSA FT1 / IEC 60332-1, IEC 60332-2-2
Current load capacityto DIN VDE 0298-4Temperature range (fixed)-50+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/min	Nominal voltage	1000 V AC
Temperature range (fixed)-50+80 °C, (+90 °C at max. 10 000 operating hours)Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Test voltage	10.0 kV
Temperature range (mobile)-25+80 °C, (+90 °C at max. 10 000 operating hours)Bend radius (fixed)7.5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Current load capacity	to DIN VDE 0298-4
Bend radius (fixed)7.5× outer ØBend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Temperature range (fixed)	-50+80 °C, (+90 °C at max. 10 000 operating hours)
Bend radius (moving)10× outer ØNo. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Temperature range (mobile)	-25+80 °C, (+90 °C at max. 10 000 operating hours)
No. of bending cycles (C-track)max. 5 Mio. (25 °C)Travel speed (C-track)max. 3.3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Bend radius (fixed)	7.5× outer Ø
Travel speed (C-track)max. 3.3 m/sAcceleration (C-track)max. 5 m/s²Torsion stress±180°/mNo. of torsion cyclesmax. 2 Mio. (25 °C)Torsion speed35 cycles/minProduct article number of manufacturer7000-P4141-P370250	Bend radius (moving)	10× outer Ø
Acceleration (C-track) max. 5 m/s ² Torsion stress ±180°/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Product article number of manufacturer 7000-P4141-P370250	No. of bending cycles (C-track)	max. 5 Mio. (25 °C)
Torsion stress ±180°/m No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Product article number of manufacturer 7000-P4141-P370250	Travel speed (C-track)	max. 3.3 m/s
No. of torsion cycles max. 2 Mio. (25 °C) Torsion speed 35 cycles/min Product article number of manufacturer 7000-P4141-P370250	Acceleration (C-track)	max. 5 m/s ²
Torsion speed 35 cycles/min Product article number of manufacturer 7000-P4141-P370250	Torsion stress	±180°/m
Product article number of manufacturer 7000-P4141-P370250	No. of torsion cycles	max. 2 Mio. (25 °C)
	Torsion speed	35 cycles/min
Cable length 2,5 m	Product article number of manufacturer	7000-P4141-P370250
	Cable length	2,5 m

The information in this brochure has been compiled with the utmost care. Liability for the correctness completeness and topicality of the information is restricted to gross negligence. Version: 2022-12-30