

Product Description

Product Family:	Data Connectors
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Shielded
Rated Voltage:	250 V
Rated Impulse Voltage:	4.0 kV
Rated Current*:	4 A
Data Transmission:	CANopen / DeviceNet

Technical Data Side 1

Product Sub Family:	7/8"
Type of Contact / Gender:	Male
Connector Design:	Straight
Attachment Type:	Coupling Screw with external threads
Number of Pins:	5
Coding:	A
Cable Gland:	ISO 228 G1/2"
Ambient Temperature (Operation)*:	- 40 °C - + 90 °C
Temperature Range (Gasket):	see Accessories
Protection Degree / IP Rating**:	IP65, IP67
Pollution Degree:	3
Clearance / Creepage Distance:	EN 60664-1 (2003/11); VDE 0110-1
Contact Base Material:	CuZn
Contact Plating:	gold over silver plated
Contact Bearer Material:	TPU
Contact Bearer Color:	Yellow
Molded Body Material:	TPU
Molded Body Color:	Grey
Housing Color:	black
Attachment Material:	Al, anodized black
Gasket Material:	SBR/NBR, cable gland
Fastening Torque (Cable Gland):	ISO 228-G1/2: (250-375) Ncm
Accessories to Order Separately:	gasket: 730-801-002, NBR, temperature range: -30°C to +90°C, flat gasket GDM 3-7, pale brown; 731-739-004, EPDM, temperature range: -40°C to +125°C, flat gasket GDM 3-21, pale brown; 731-740-002, MPQ, temperature range: -40°C to +125°C, flat gasket GDM 3-17, red; 731-531-002, NBR, temperature range: -30°C to +90°C, profile gasket GDM 3-16, black ; central screw: 732-574-001, knurled screw (grey) 734-363-001, stainless steel screw

Cable Data

Cable Type:	101
Cable Number:	709
Conductor Size:	max. 1.5 mm ²
Number of Wires:	2 Pair + Drain
Minimal Bending Radius (Fixed Inst):	> 7 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 10 M
Conductor material:	TC - Tinned Copper
Cable Jacket Material:	TPE
Cable Jacket Color:	Black
Cable Diameter D:	Ø 9.65 mm
Wire Insulation Material:	PVC-Power, Data-PP
Insulated Wire Diameter:	Power Ø2.48mm, Data Ø2.75mm
Overall Shield (Cable):	Overall Braid, TC, 65% Coverage, Pairs Alum+Poly 100% coverage
Ambient Temperature (Fixed Installation):	- 20 to + 70°C

UL Cable Type:	UL AWM 20626, CSA AWM I/II A/B
Flammability Class (Cable Jacket):	FT1
Cable Characteristics:	Mechanical Resistances, Abrasion, Impact, Weathering; Chemical Resistances to Oils, Acids, Alkalis; High Flex, C-Track Rated

Technical Data Side 2

Product Sub Family, Side 2:	M12 Standard
Type of Contact / Gender, Side 2:	Female
Connector Design, Side 2:	Straight
Attachment Type, Side 2:	Coupling Nut with internal threads
Number of Pins, Side 2:	5
Coding, Side 2:	A
Ambient Temperature (Operation), Side 2*:	- 40 °C - + 90 °C
Protection Degree / IP Rating, Side 2**:	IP65, IP67
Contact Base Material, Side 2:	CuSn
Contact Plating, Side 2:	Cu/Au
Contact Bearer Material, Side 2:	TPU
Contact Bearer Color, Side 2:	Black
Molded Body Material, Side 2:	TPU
Molded Body Color, Side 2:	Grey
Attachment Material, Side 2:	CuZn, Nickel-plated
Note, Side 2:	Do not connect or disconnect under load.

Approvals

UL:	UL
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Safety & Environmental Compliance

RoHS Compliant:	Yes
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Resistances

Oil Resistance:	Yes
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Notes

Protection Degree / IP Rating Note:	Protection Degree and IP Rating per test standard IEC 60529 using a Lumberg Automation mating product
Note Derating:	Notice derating

History

Update and Revision:	Revision Number: 0.37 Revision Date: 06-28-2023
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