



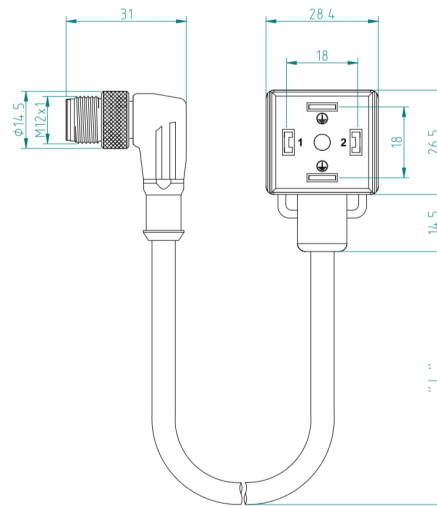
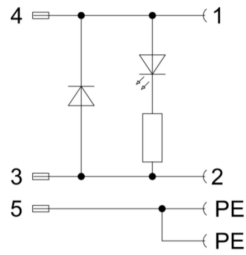
Product: [RSWT 5-3-VAD 1F-4-3-226](#)

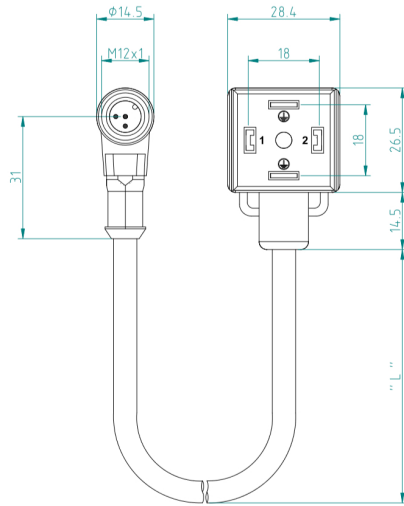
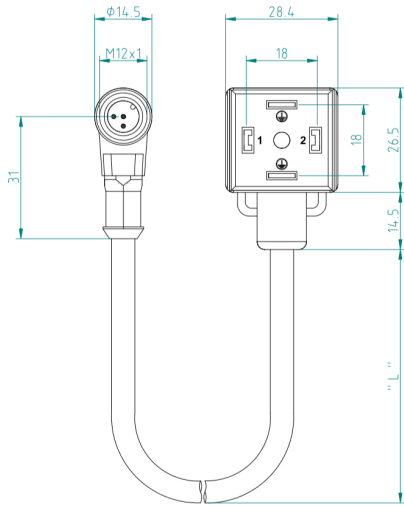
DIN EN 175301-803-A, Cordset, double ended: M12, Male, Angled, 3-Pole, to a, Form A, Female, Angled, 2+2PE, Yellow LED with Recovery Diode: Cable, PUR, black, 3x0.50 mm²

Product Description

DIN EN 175301-803-A, Cordset, double ended: M12, Male, Angled, 3-Pole, to a, Form A, Female, Angled, 2+2PE, Yellow LED with Recovery Diode: Cable, PUR, black, 3x0.50 mm²

Technical Drawing





Technical Specifications

Product Description

Product Family:	Valve Connectors
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding Type:	Unshielded
Voltage Rating:	24 V
Operating Voltage:	24 V DC
Current Rating:	4 A

Technical Data Side 1

Side 1 Product Sub Family:	M12
Side 1 Type of Contact/Gender:	Male
Connector Design:	M12 Male 3 Pole 90°
Attachment Type:	Coupling Screw
Number of Pins:	3
Coding, Side 1:	A
Side 1 Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 90 °C
Protection Degree / IP Rating**:	IP65
Side 1 Design Standard:	IEC 61076-2-101
Side 1 Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category:	III acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material:	CuSn
Side 1 Contact Plating:	Cu/Au
Contact Bearer Material:	TPU
Contact Bearer Color:	Orange
Molded Body Material:	TPU
Molded Body Color:	Grey Translucent
Attachment Material:	CuZn
Attachment Plating:	Ni-Plated
Function Indicator:	Yellow LED

Protective Circuit:	Recovery Diode
Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight

Cable Data

Cable Number:	226
Conductor Size:	0.5 mm ²
Number of Wires:	3
Minimal Bending Radius (Fixed Inst):	> 5 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 5 M
Cycles (Torsion):	> 5 M @ ± 360 °/1 m
Conductor Material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	black
Cable Diameter D:	ø 4.6 ± 0.2 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 1.50 mm
Ambient Temperature (Fixed Installation):	- 50 °C - + 105 °C (UL: + 80 °C)
Ambient Temperature (Flex Installation):	- 25 °C - + 105 °C (UL: + 80 °C)
UL Cable Type:	AWM: 20549
Flammability Class (Cable Jacket):	DIN EN 50265-2-2, VDE 0482-265-2-2, IEC 60332-2-2, CSA FT2
Cable Characteristics:	Good microbes and hydrolysis resistance; Mainly plasticizer diffusion free; Exclusion of PVC and silicone; Coldness flexibility; Free of lacquer wetting disturbing substances

Technical Data Side 2

Side 2 Product Sub Family:	VAD
Side 2 Type of Contact/Gender:	Female
Connector Design, Side 2:	Form A Female 2+2PE Pole 90°
Attachment Type, Side 2:	Central Screw
Number of Pins, Side 2:	2+2PE
Coding, Side 2:	A
Contact Resistance, Side 2:	≤ 5 mOhm
Insulation Resistance, Side 2:	> 10 ⁹ Ohm
Mating Cycles, Side 2:	<50
Ambient Temperature (Operation), Side 2*:	-25°C to +80°C
Protection Degree / IP Rating, Side 2**:	IP65
Design Standard, Side 2:	DIN EN 175301-803-A
Pollution Degree, Side 2:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Overvoltage Category, Side 2:	III acc. to DIN EN 60664-1 (VDE 0110-1)
Contact Base Material, Side 2:	CuZn
Contact Plating, Side 2:	Cu/Ni,Sn
Contact Bearer Material, Side 2:	PBT
Contact Bearer Color, Side 2:	Black
Molded Body Material, Side 2:	TPU
Molded Body Color, Side 2:	Translucent
Attachment Material, Side 2:	Steel, Philips combi slot
O-Ring Material, Side 2:	Molded Integrated Gasket
Protective Circuit, Side 2:	Recovery Diode (FRD)
Fastening Torque (Attachment), Side 2:	(50-60) Ncm

Safety & Environmental Compliance

RoHS Compliant:	yes
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Resistances

Halogenfree:	no
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Oil Resistance:	Good chemical and oil resistance
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Notes

Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.
Note Derating:	Notice derating
Product Characteristics:	Drag chain sustainability, Very good resistance to oils, coolants, lubricants as well as emulsions, Very good vibration and shock resistance, Suitable for robot applications (resistance to torsions)
Update and Revision:	Revision Number: 0.41 Revision Date: 07-31-2025

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