

**Product:** [RST 5-3-VCD 1A-1-3-226](#)

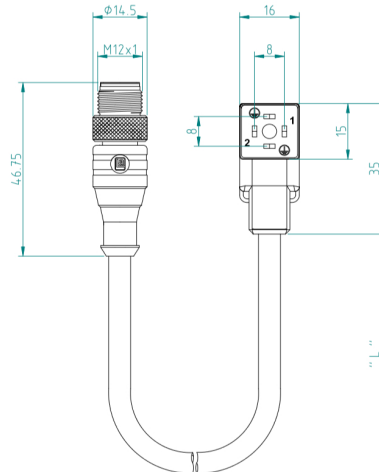
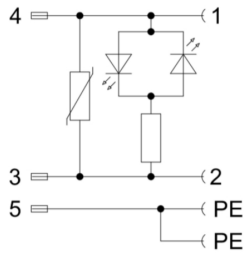


DIN EN 175301-803-C, Cordset, double ended: M12, Male, Straight, 3-Pole, to a, Form C, Female, Angled, 2+2PE, Yellow LED with Varistor: Cable, PUR, black, 3x0.50 mm<sup>2</sup>

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**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
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	24 V AC/DC
Current Rating:	4 A

**Technical Data Side 1**

Side 1 Product Sub Family:	M12
Side 1 Type of Contact/Gender:	Male

Connector Design:	Straight
Attachment Type:	Coupling Screw
Number of Pins:	3
Coding, Side 1:	A
Side 1 Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 <sup>9</sup> 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
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	TPU
Molded Body Color:	Grey Translucent
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	CuZn
Attachment Plating:	Ni-Plated
Function Indicator:	Yellow LED
Protective Circuit:	Varistor
Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight
Note:	Do not connect or disconnect under load.

## Cable Data

Cable Number:	226
Conductor Size:	0.5 mm <sup>2</sup>
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)
Ambient Temperature (Drag Chain Inst):	- 25 °C - + 60 °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:	VCD
Side 2 Type of Contact/Gender:	Female
Connector Design, Side 2:	Angled
Attachment Type, Side 2:	Central Screw
Number of Pins, Side 2:	2+2PE
Coding, Side 2:	C
Contact Resistance, Side 2:	≤ 5 mOhm

Insulation Resistance, Side 2:	> 10 <sup>9</sup> Ohm
Mating Cycles, Side 2:	&lt;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-C
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
Flammability Class (Contact Bearer), Side 2:	UL 94 V-0
Molded Body Material, Side 2:	TPU
Molded Body Color, Side 2:	Translucent
Attachment Material, Side 2:	Steel, Phillips combi slot
O-Ring Material, Side 2:	Molded Integrated Gasket
Fastening Torque (Attachment), Side 2:	(50-60) Ncm

## Safety & Environmental Compliance

RoHS Compliant:	yes
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## Resistances

Halogenfree:	no
Oil Resistance:	Good chemical and oil resistance

## Notes

Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.
Note Derating:	Notice derating

## Variants

Item #	Item Description	Cable Length
362	RST 5-3-VCD 1A-1-3-226/25 M	25 m
12006	RST 5-3-VCD 1A-1-3-226/0,6 M	0.6 m
12007	RST 5-3-VCD 1A-1-3-226/1 M	1 m
12008	RST 5-3-VCD 1A-1-3-226/1,5 M	1.5 m
12009	RST 5-3-VCD 1A-1-3-226/2 M	2 m
26461	RST 5-3-VCD 1A-1-3-226/5 M	5 m
52870	RST 5-3-VCD 1A-1-3-226/8 M	8 m
89544	RST 5-3-VCD 1A-1-3-226/10 M	10 m
97065	RST 5-3-VCD 1A-1-3-226/2,5 M	2.5 m
67493	RST 5-3-VCD 1A-1-3-226	0.4 m
12005	RST 5-3-VCD 1A-1-3-226/0,3 M	0.3 m
18667	RST 5-3-VCD 1A-1-3-226/15 M	15 m
12010	RST 5-3-VCD 1A-1-3-226/3 M	3 m
600003207	RST 5-3-VCD 1A-1-3-226/1 M	1 m
600003208	RST 5-3-VCD 1A-1-3-226/2 M	2 m
600003222	RST 5-3-VCD 1A-1-3-226/0,6 M	0.6 m
600003306	RST 5-3-VCD 1A-1-3-226/1,5 M	1.5 m
600003339	RST 5-3-VCD 1A-1-3-226/5 M	5 m
17408	RST 5-3-VCD 1A-1-3-226/4 M	4 m

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