



Product: <u>RST 8-RKT 8-6-268</u> ☑

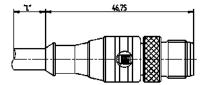
Sensor/Actuator Double-Ended Cordset: Male straight A-coded orange 8-pin M12 Standard connector to female straight A-coded orange 8-pin M12 Standard connector, 30 V AC/DC, 2 A; PUR orange cable, 6-wires, 0.34 mm²

Product Description

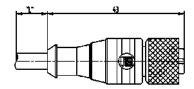
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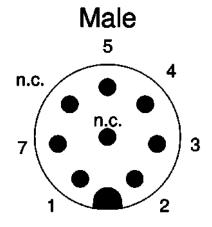
Technical Drawing











Female 5 n.c. n.c. 7

Technical Specifications

Face View Side 1

 Pin 1
 Pin 2
 Pin 3
 Pin 4
 Pin 5
 Pin 6
 Pin 7
 Pin 8

 white
 green
 yellow
 grey
 brown
 n.c.
 blue
 n.c.

Face View Side 2

Pin 1 | Pin 2 | Pin 3 | Pin 4 | Pin 5 | Pin 6 | Pin 7 | Pin 8

white	green	yellow	grey	brown	n.c.	blue	n.c.

Product Description

Product Family:	Sensor / Actuator Connectors
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Unshielded
Rated Voltage:	30 V
Rated Impulse Voltage:	0.8 kV
Operating Voltage:	30 V AC/DC
Rated Current*:	2 A

Technical Data Side 1

Product Sub Family:	M12 Standard
Type of Contact / Gender:	Male
Connector Design:	Straight
Attachment Type:	Coupling Screw
Number of Pins:	8
Coding:	A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 90 °C
Protection Degree / IP Rating**:	IP65, IP67, IP68 (1 m / 24 h), IP69K
Design Standard:	IEC 61076-2-101
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:	CuZn
Contact Plating:	Cu/Au
Contact Bearer Material:	TPU-GF
Contact Bearer Color:	Orange
Flammability Class (Contact Bearer):	UL 94 HB
Molded Body Material:	TPU
Molded Body Color:	Orange
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated
Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight
Note:	Do not connect or disconnect under load.

Cable Data

Cable Number: 268 Conductor Size: 0.34 mm² Number of Wires: 6 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 Welding Resistance: Welding spark resistant Conductor material: Cu Cable Jacket Material: PUR Cable Jacket Color: orange similar to RAL 2003 Cable Diameter D: ø 5.5 ± 0.20 mm Wire Insulation Material: PP Insulated Wire Diameter: ø 1.50 ± 0.05 mm Ambient Temperature (Fixed Installation): -50 °C - +80 °C		
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Cycles (Torsion): > 5 M @ ± 360 °/1 m Welding Resistance: Welding spark resistant Conductor material: Cu Cable Jacket Material: PUR Cable Jacket Color: orange similar to RAL 2003 Cable Diameter D: Ø 5.5 ± 0.20 mm Wire Insulation Material: PP Insulated Wire Diameter: Ø 1.50 ± 0.05 mm Ambient Temperature (Fixed Installation): -50 °C - + 80 °C	Minimal Bending Radius (Flexible Inst):	> 10 x D
Welding Resistance: Conductor material: Cu Cable Jacket Material: PUR Cable Jacket Color: orange similar to RAL 2003 Cable Diameter D: ø 5.5 ± 0.20 mm Wire Insulation Material: PP Insulated Wire Diameter: ø 1.50 ± 0.05 mm Ambient Temperature (Fixed Installation): - 50 °C - + 80 °C	Cycles (Bending):	>5 M
Conductor material: Cu Cable Jacket Material: PUR Cable Jacket Color: orange similar to RAL 2003 Cable Diameter D: ø 5.5 ± 0.20 mm Wire Insulation Material: PP Insulated Wire Diameter: ø 1.50 ± 0.05 mm Ambient Temperature (Fixed Installation): - 50 °C - + 80 °C	Cycles (Torsion):	$>$ 5 M @ \pm 360 °/1 m
Cable Jacket Material: Cable Jacket Color: orange similar to RAL 2003 Cable Diameter D: ø 5.5 ± 0.20 mm Wire Insulation Material: PP Insulated Wire Diameter: ø 1.50 ± 0.05 mm Ambient Temperature (Fixed Installation): - 50 °C - + 80 °C	Welding Resistance:	Welding spark resistant
Cable Jacket Color: orange similar to RAL 2003 Cable Diameter D: \emptyset 5.5 \pm 0.20 mm Wire Insulation Material: PP Insulated Wire Diameter: \emptyset 1.50 \pm 0.05 mm Ambient Temperature (Fixed Installation): -50 °C $-+80$ °C	Conductor material:	Cu
Cable Diameter D: Ø 5.5 ± 0.20 mm Wire Insulation Material: PP Insulated Wire Diameter: Ø 1.50 ± 0.05 mm Ambient Temperature (Fixed Installation): -50 °C - +80 °C	Cable Jacket Material:	PUR
Wire Insulation Material: Insulated Wire Diameter: ### Material ### Ambient Temperature (Fixed Installation): ### Or C - + 80 °C	Cable Jacket Color:	orange similar to RAL 2003
Insulated Wire Diameter: ø 1.50 ± 0.05 mm Ambient Temperature (Fixed Installation): -50 °C - +80 °C	Cable Diameter D:	ø 5.5 ± 0.20 mm
Ambient Temperature (Fixed Installation): - 50 °C - + 80 °C	Wire Insulation Material:	PP
	Insulated Wire Diameter:	ø 1.50 \pm 0.05 mm
	Ambient Temperature (Fixed Installation):	- 50 °C - + 80 °C
Ambient Temperature (Flex Installation): -25 °C -+80 °C	Ambient Temperature (Flex Installation):	- 25 °C - + 80 °C

Ambient Temperature (Drag Chain Inst):	- 25 °C - + 60 °C
UL Cable Type:	AWM: 20549
Flammability Class (Cable Jacket):	DIN EN 60332-2-2, VDE 0482-332-2-2, IEC 60332-2-2, CSA FT-2
Cable Characteristics:	Free of lacquer wetting disturbing substances; Mainly plasticizer diffusion free; Exclusion of PVC and silicone; Seatwater resistance; Coldness flexibilty

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
Number of Pins, Side 2:	8
Coding, Side 2:	A
Contact Resistance, Side 2:	≤ 10 mOhm
Insulation Resistance, Side 2:	> 10^9 Ohm
Mating Cycles, Side 2:	≤ 100
Ambient Temperature (Operation), Side 2*:	- 40 °C - + 90 °C
Protection Degree / IP Rating, Side 2**:	IP65, IP67, IP68 (1 m / 24 h), IP69K
Design Standard, Side 2:	IEC 61076-2-101
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/Au
Contact Bearer Material, Side 2:	TPU
Contact Bearer Color, Side 2:	Black
Flammability Class (Contact Bearer), Side 2:	UL 94 HB
Molded Body Material, Side 2:	TPU
Molded Body Color, Side 2:	Orange
Flammability Class (Molded Body), Side 2:	UL 94 HB
Attachment Material, Side 2:	CuZn
Attachment Plating, Side 2:	Nickel-plated
O-Ring Material, Side 2:	FKM, green
Fastening Torque (Attachment), Side 2:	M 12x1: (50-60) Ncm, hand-tight

Safety & Environmental Compliance

RoHS Compliant:	yes

Resistances

Halogenfree:	DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1
Oil Resistance:	VDE 0472-803

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	Rated Current	Contact Bearer Color
43784	RST 8-RKT 8-6-268/5 M	5 m	2 A	Orange
49251	RST 8-RKT 8-6-268/1 M	1 m	2 A	Orange
65922	RST 8-RKT 8-6-268/3 M	3 m	2 A	Orange
1903	RST 8-RKT 8-6-268/10 M	10 m	2 A	Orange
46920	RST 8-RKT 8-6-268/2 M	2 m	2 A	Orange

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