



Product: RSTS 5-RKTS 5-298 ☑

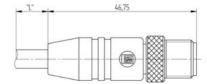
Sensor/Actuator Double-Ended Cordset: Male straight A-coded orange 5-pin M12 Standard connector to female straight A-coded orange 5-pin M12 Standard connector, shielded, 50 V AC / 60 V DC, 4 A; PUR black cable, 5-wires, 0.34 mm²

Product Description

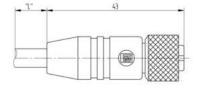
Sensor/Actuator Double-Ended Cordset: Male straight A-coded orange 5-pin M12 Standard connector to female straight A-coded orange 5-pin M12 Standard connector, shielded, 50 V AC / 60 V DC, 4 A; PUR black cable, 5-wires, 0.34 mm²

Technical Drawing

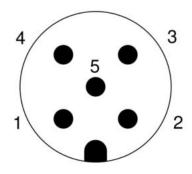




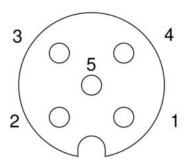




Male

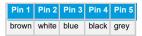


Female

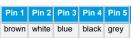


Technical Specifications

Face View Side 1



Face View Side 2



Product Description

Product Family:	Sensor / Actuator Connectors
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Shielded
Rated Voltage:	60 V
Rated Voltage (UL):	250 V AC
Rated Impulse Voltage:	1.5 kV
Operating Voltage:	50 V AC / 60 V DC
Rated Current*:	4 A
Rated Current (UL)*:	4 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:	5
Coding:	A
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10^9 Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 90 °C
Operating Temperature (UL):	max. + 50 °C
Protection Degree / IP Rating**:	IP65, IP67, 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:	CuSn
Contact Plating:	Cu/Au
Contact Bearer Material:	PA PA
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 V-0
Molded Body Material:	TPU
Molded Body Color:	Orange
Flammability Class (Molded Body):	UL 94 HB
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated
Shielding Material:	CuZn, tin-plated
Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight
Note:	Do not connect or disconnect under load.

Cable Data

Cable Number:	298
Conductor Size:	0.34 mm ²
Number of Wires:	5
Minimal Bending Radius (Fixed Inst):	>5xD
Minimal Bending Radius (Flexible Inst):	>10 x D
Cycles (Bending):	>2 M
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	black
Cable Diameter D:	ø 5.85 ± 0.15 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	ø 1.30 mm
Overall Shield (Cable):	Mesh wire

Ambient Temperature (Fixed Installation):	-50 °C -+ 80 °C	
Ambient Temperature (Flex Installation):	-25 °C-+80 °C automatic	
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:	Good microbes and hydrolysis resistance; Mainly plasticizer diffusion free; Exclusion of PVC and silicone; LABS-free of lacquer wetting disturbing substances; Coldness flexibility	

Technical Data Side 2

Product Sub Family, Side 2:	M12 Standard
	W12 Granderd
Type of Contact / Gender, Side 2:	Female
Connector Design, Side 2:	Straight
Attachment Type, Side 2:	Coupling Nut
Number of Pins, Side 2:	5
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
Operating Temperature (UL), Side 2:	max. + 50 °C
Protection Degree / IP Rating, Side 2**:	IP65, IP67, 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:	CuSn
Contact Plating, Side 2:	Cu/Au
Contact Bearer Material, Side 2:	PA PA
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:	Orange
Flammability Class (Molded Body), Side 2:	UL 94 HB
Attachment Material, Side 2:	CuZn
Attachment Plating, Side 2:	Nickel-plated
Shielding Material, Side 2:	CuZn, tin-plated
O-Ring Material, Side 2:	FKM, green
Fastening Torque (Attachment), Side 2:	M 12x1: (50-60) Ncm, hand-tight

Approvals

UL-File:	E315587
UL:	UL 2238; cURus

Safety & Environmental Compliance

RoHS Compliant:	yes

Resistances

Halogenfree:	DIN EN 50267-2-1, IEC 60754-1, VDE 0482-267-2-1

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
1223	RSTS 5-RKTS 5-298/50 M	50 m
5276	RSTS 5-RKTS 5-298/9 M	9 m
49237	RSTS 5-RKTS 5-298/10 M	10 m

57380	RSTS 5-RKTS 5-298/0,6 M	0.6 m
58827	RSTS 5-RKTS 5-298/3 M	3 m
58828	RSTS 5-RKTS 5-298/1 M	1 m
60389	RSTS 5-RKTS 5-298/4 M	4 m
61629	RSTS 5-RKTS 5-298/2 M	2 m
61630	RSTS 5-RKTS 5-298/5 M	5 m
62202	RSTS 5-RKTS 5-298/0,3 M	0.3 m
64622	RSTS 5-RKTS 5-298/0,25 M	0.25 m
108237	RSTS 5-RKTS 5-298/7,5 M	7.5 m
934636342	RSTS 5-RKTS 5-298/1,5 M	1.5 m
8093	RSTS 5-RKTS 5-298/15 M	15 m
12395	RSTS 5-RKTS 5-298/2,5 M	2.5 m
19362	RSTS 5-RKTS 5-298/20 M	20 m
2667	RSTS 5-RKTS 5-298/8 M	8 m

© 2025 Belden, Inc

All Rights Reserved.

Although Belden makes every reasonable effort to ensure their accuracy at the time of this publication, information and specifications described here in are subject to error or omission and to change without notice, and the listing of such information and specifications does not ensure product availability.

Belden provides the information and specifications herein on an "ASIS" basis, with no representations or warranties, whether express, statutory or implied. In no event will Belden be liable for any damages (including consequential, indirect, incidental, special, punitive, or exemplary damages) whatsoever, even if Belden has been advised of the possibility of such damages, whether in an action under contract, negligence or any other theory, arising out of or in connection with the use, or inability to use, the information or specifications described herein.

All sales of Belden products are subject to Belden's standard terms and conditions of sale.

Belden believes this product to be in compliance with all applicable environmental programs as listed in the data sheet. The information provided is correct to the best of Belden's knowledge, information and belief at the date of its publication. This information is designed only as a general guide for the safe handling, storage, and any other operation of the product itself or the one that it becomes a part of. The Product Disclosure is not to be considered a warranty or quality specification. Regulatory information is for guidance purposes only. Product users are responsible for determining the applicability of legislation and regulations based on their individual usage of the product.