



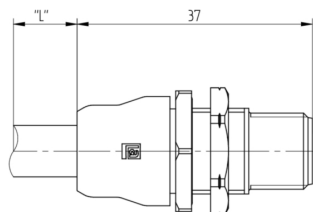
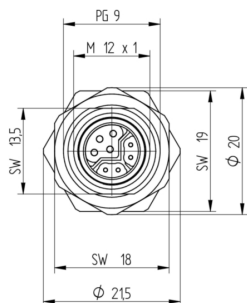
Product: [RSYS 8Y-922](#)

Fast Ethernet Cat5e Data Single-Ended Cordset: M12 Hybrid Receptacle, male, straight, 8-pin, Y-coded, shielded, black body, 50 V AC/ DC, 0.5 A; PUR black cable, 8-wires, Data: 4x0.15 mm² + Power: 4x0.75 mm²

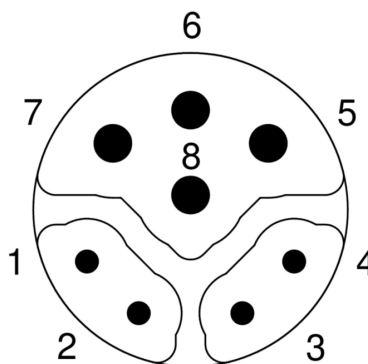
Product Description

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Technical Drawing



Male



Technical Specifications

Face View

Pin 1	Pin 2	Pin 3	Pin 4	Pin 5	Pin 6	Pin 7	Pin 8
white-orange	orange	white-green	green	blue	white	brown	black

Technical Data

Product Family:	Data Connectors
Side 1 Product Sub Family:	M12 Hybrid Receptacle
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Side 1 Type of Contact/Gender:	Male
Connector Design:	Straight
Number of Pins:	8
Coding, Side 1:	Y
Shielding Type:	Shielded
Attachment Type:	Coupling Screw
Voltage Rating:	50 V
Rated Voltage (UL):	50 V AC/DC
Rated Impulse Voltage:	0.8 kV
Operating Voltage:	50 V AC/ DC
Current Rating:	Power: 6 A; Data: 0.5 A
Rated Current (UL)*:	Power: 6 A; Data: 0.5 A

Data Transmission Type:	Fast Ethernet Cat5e
Data Transmission Rate:	100 Mbit/s
Side 1 Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 10 ⁹ Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 90 °C
Operating Temperature (UL):	max. + 80 °C
Protection Degree / IP Rating**:	IP65, IP67, IP69K
Side 1 Design Standard:	IEC 61076-2-113
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)

Materials

Contact Base Material:	CuZn
Side 1 Contact Plating:	Cu/Au
Contact Bearer Material:	PBT-GF
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	Data: UL 94 V-2 + Power: UL 94 V-0
Molded Body Material:	TPU
Molded Body Color:	Black
Flammability Class (Molded Body):	UL 94 HB
Housing Material:	CuZn, Nickel-plated
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated
Shielding Material:	Housing: CuZn, tin-plated, Sleeve: GD-Zn, nickel-plated

Cable Data

Cable Number:	922
Conductor Size:	Data: 4x0.15 mm ² + Power: 4x0.75 mm ²
Number of Wires:	8
Minimal Bending Radius (Fixed Inst):	> 6 x D
Minimal Bending Radius (Flexible Inst):	> 10 x D
Cycles (Bending):	> 1-2 M
Conductor Material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	black matt similarly RAL 9005
Cable Diameter D:	ø 8.00 ± 0.3 mm
Wire Insulation Material:	PP
Insulated Wire Diameter:	Data: ø 1.15 ± 0.03 mm + Power: ø 1.70 ± 0.05 mm
Overall Shield (Cable):	Cu-ETP1 tinned
Element Shield:	Shielding Foil
Ambient Temperature (Fixed Installation):	- 40 °C - + 90 °C (UL: + 80 °C)
Ambient Temperature (Flex Installation):	- 30 °C - + 70 °C
UL Cable Type:	AWM: 20233
Cable Characteristics:	Exclusion of dangerous materials; Exclusion of PVC and Silicone
Core Colors:	Data: green, orange, white-green, white-orange + Power: brown, black, white, blue

Approvals

UL-File:	E315587
UL:	UL 2238; cULus

Safety & Environmental Compliance

RoHS Compliant:	yes
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Resistances

Halogenfree:	EN 50267-2-1, IEC 60754-1 max. 0.5% HCl
Oil Resistance:	IEC 60811-2-1, ASTM 1 standard oil requirement

Notes

Note Derating:	Notice derating
Protection Degree / IP Rating Note:	** only if mounted and locked in combination with Hirschmann / Lumberg Automation connector.
Note:	Do not connect or disconnect under load.

Variants

Item #	Item Description	Cable Length
32965	RSHS 8Y-922/0,5 M	
35175	RSHS 8Y-922/30 M	
20893	RSHS 8Y-922/0,2 M	
20973	RSHS 8Y-922/1 M	1 m
934925001	RSHS 8Y-922/2 M	2 m
934925002	RSHS 8Y-922/5 M	5 m
934925003	RSHS 8Y-922/10 M	10 m
934925004	RSHS 8Y-922/15 M	15 m
934925005	RSHS 8Y-922/20 M	20 m
934925006	RSHS 8Y-922/25 M	25 m

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