

white-orange | orange | white-green | green | blue | white | brown | black

Product Description

Product Family:	Data Connectors
Brand:	Lumberg Automation
Connector Type:	Cordset, double ended
Shielding:	Shielded
Rated Voltage:	50 V
Rated Voltage (UL):	50 V AC/DC
Rated Impulse Voltage:	0.8 kV
Operating Voltage:	50 V AC/ DC
Rated Current*:	Power: 6 A; Data: 0.5 A
Rated Current (UL)*:	Power: 6 A; Data: 0.5 A
Data Transmission:	Fast Ethernet Cat5e
Data Transmission Rate:	100 Mbit/s

Technical Data Side 1

Product Sub Family:	M12 Hybrid
Type of Contact / Gender:	Male
Connector Design:	Straight
Attachment Type:	Coupling Screw
Number of Pins:	8
Coding:	Y
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
Design Standard:	IEC 61076-2-113
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:	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
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated
Shielding Material:	GD-Zn, nickel-plated
Fastening Torque (Attachment):	M 12x1: (50-60) Ncm, hand-tight
Note:	Do not connect or disconnect under load.

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: $\varnothing 1.15 \pm 0.03$ mm + Power: $\varnothing 1.70 \pm 0.05$ 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

Technical Data Side 2

Product Sub Family, Side 2:	M12 Hybrid Receptacle
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:	Y
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. + 80 °C
Protection Degree / IP Rating, Side 2**:	IP65, IP67, IP69K
Design Standard, Side 2:	IEC 61076-2-113
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:	PBT-GF
Contact Bearer Color, Side 2:	Black
Flammability Class (Contact Bearer), Side 2:	Data: UL 94 V-2 + Power: UL 94 V-0
Molded Body Material, Side 2:	TPU
Molded Body Color, Side 2:	Black
Flammability Class (Molded Body), Side 2:	UL 94 HB
Housing Material, Side 2:	CuZn, Nickel-plated
Attachment Material, Side 2:	CuZn
Attachment Plating, Side 2:	Nickel-plated
Shielding Material, Side 2:	Housing: CuZn, tin-plated
Shielding Material, Side 2:	Sleeve: GD-Zn, nickel-plated

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.

Variants

Item #	Item Description	Cable Length
934966201	RSTS 8Y-RKHS 8Y-922/0,3 M	0.3 m

934966202	RSTS 8Y-RKHS 8Y-922/0,6 M	0,6 m
934966203	RSTS 8Y-RKHS 8Y-922/1 M	1 m
934966204	RSTS 8Y-RKHS 8Y-922/2 M	2 m
934966205	RSTS 8Y-RKHS 8Y-922/3 M	3 m
934966206	RSTS 8Y-RKHS 8Y-922/5 M	5 m
934966207	RSTS 8Y-RKHS 8Y-922/10 M	10 m
934966208	RSTS 8Y-RKHS 8Y-922/15 M	15 m

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