lumbergautomation
A BELDEN BRAND

Product: RSMGVS-8M-998

SPE single ended cordset: M8 male straight 6P-M8 Code, IP65/67, PUR



Product Description

SPE single ended cordset: M8 male straight 6P-M8 Code, IP65/67, PUR

Technical Specifications

Face View Side 1

Pin 1	Pin 2
Blue	Natural White

Product Description

Product Family:	SPE Cordset
Brand:	Lumberg Automation
Connector Type:	Cordset, single ended
Shielding:	Shielded
Rated Voltage:	60 V
Rated Voltage (UL):	60 V AC/DC
Operating Voltage:	50 V AC / 60 V DC
Rated Current*:	4 A
Rated Current (UL)*:	4 A
Data Transmission:	1 Gbit/s bis 40 m / 10 Mbit/s bis 1000 m

Technical Data Side 1

Product Sub Family:	SPE Cordset M8 (T1 Industrial)
Type of Contact / Gender:	Male
Connector Design:	Straight
Attachment Type:	Screw-Locking
Number of Pins:	2
Contact Resistance:	≤ 10 mOhm
Insulation Resistance:	> 5x10^8 Ohm
Mating Cycles:	≤ 100
Ambient Temperature (Operation)*:	- 40 °C - + 90 °C (Cable +80 °C)
Operating Temperature (UL):	max. + 85 °C
Protection Degree / IP Rating**:	IP65, IP67
Design Standard:	IEC 63171-6
Pollution Degree:	3 acc. to DIN EN 60664-1 (VDE 0110-1)
Clearance / Creepage Distance:	DIN EN 60664-1 (2008/01); VDE 0110-1
Contact Base Material:	CuSn
Contact Plating:	Cu/Au
Contact Bearer Material:	PA
Contact Bearer Color:	Black
Flammability Class (Contact Bearer):	UL 94 V-0
Molded Body Material:	TPU

Molded Body Color:	Black
Flammability Class (Molded Body):	UL 94 V-0
Attachment Material:	CuZn
Attachment Plating:	Nickel-plated
Fastening Torque (Attachment):	M 8x1: 40 Ncm, hand-tight

Cable Data

Cable Number:	998
Number of Wires:	2
Conductor material:	Cu
Cable Jacket Material:	PUR
Cable Jacket Color:	blue
Cable Diameter D:	ø 5.50 ± 0.20 mm
Wire Insulation Material:	PE
Insulated Wire Diameter:	ø 1,9 ±0.1 mm
Overall Shield (Cable):	Tinned copper
Foil shield:	Al-myler wrapping foil
Ambient Temperature (Fixed Installation):	- 40 °C - +80 °C
UL Cable Type:	AWM: 20549
Flammability Class (Cable Jacket):	FT-2
Cable Characteristics:	Exclusion of dangerous materials

Approvals

UL:	UL 2238; cULus

Safety & Environmental Compliance

RoHS Compliant:	Yes

Notes

Note Derating:	Notice derating

History

Update and Revision:	Revision Number: 0.29 Revision Date: 05-31-2024

Variants

Item #	Item Description	Cable Length
935100023	RSMGVS-8M-998/1 M	1 m
935100025	RSMGVS-8M-998/2 M	2 m
935100028	RSMGVS-8M-998/5 M	5 m
935100021	RSMGVS-8M-998/10 M	10 m
935100022	RSMGVS-8M-998/15 M	15 m
935100024	RSMGVS-8M-998/20 M	20 m
935100026	RSMGVS-8M-998/30 M	30 m
935100027	RSMGVS-8M-998/40 M	40 m

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