



I/O-Device connection cable IP67, 5-pole, 0.3 m, Prefabricated with M12 plug and M12 socket



Part no. SWD4-M3LR5-1-2S
Article no. 179543
Catalog No. SWD4-M3LR5-1-2S

Delivery program

Product range			SmartWire-DT accessories
Basic function			I/O round cable
Function			For directly connecting sensors/actuators to IP67 SWD modules
Description			5 pole prefabricated with M12 socket and M12 plug, A-keyed
Length		m	0.3
Note regarding length			1 off
Connection to SmartWire-DT			yes
Protection type (IEC/EN 60529, EN50178, VBG 4)			IP67

Technical data

Ambient conditions, mechanical

Protection type (IEC/EN 60529, EN50178, VBG 4)			IP67
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Climatic environmental conditions

Operating ambient temperature (IEC 60068-2)		°C	
Operating ambient temperature max.		°C	+ 70
Condensation			permissible

Design verification as per IEC/EN 61439

Technical data for design verification			
Static heat dissipation, non-current-dependent	P_{vs}	W	0
Heat dissipation capacity	P_{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	70
Degree of Protection			IP67
IEC/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			
10.2.3.1 Verification of thermal stability of enclosures			
10.2.3.2 Verification of resistance of insulating materials to normal heat			
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects			
10.2.4 Resistance to ultra-violet (UV) radiation			
10.2.5 Lifting			
10.2.6 Mechanical impact			
10.2.7 Inscriptions			
10.3 Degree of protection of ASSEMBLIES			
10.4 Clearances and creepage distances			
10.5 Protection against electric shock			
10.6 Incorporation of switching devices and components			
10.7 Internal electrical circuits and connections			
10.8 Connections for external conductors			
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			
10.9.3 Impulse withstand voltage			
10.9.4 Testing of enclosures made of insulating material			
10.10 Temperature rise			
10.11 Short-circuit rating			
10.12 Electromagnetic compatibility			

Technical data ETIM 6.0

Cables and wires unpreassembled (EG000001) / Data cable (EC000830)

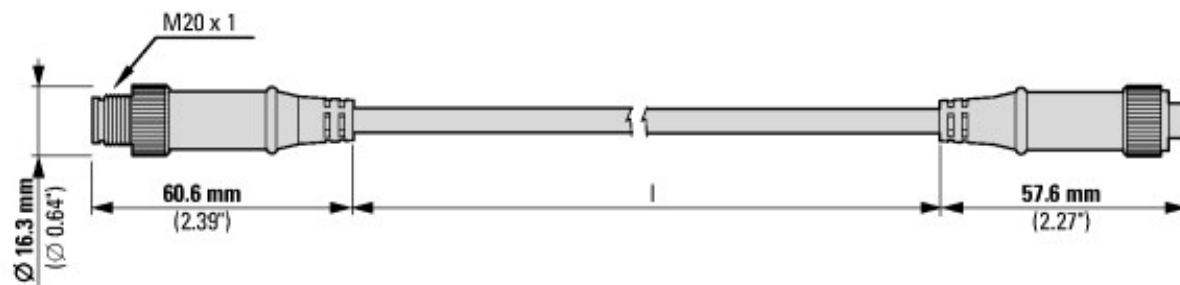
Electric engineering, automation, process control engineering / Cable, wire / Communication cable / Data cable (ecl@ss8.1-27-06-18-01 [AKE197011])

Conductor material		Cu, bare
Diameter conductor	mm	1.5
Nominal cross section conductor	mm ²	0.5
AWG-size		20
Conductor category		Class 2 = stranded
Number of cores		5
Stranding element		Pairs
Core insulation		PE (polyethylene)
Core identification		Colour
Screen over stranding element		Foil
Screen over stranding		None
Material outer sheath		PVC
Colour outer sheath		Black
Halogen free (acc. EN 60754-1/2)		Yes
Flame retardant		In accordance with EN 60332-1-2
Low smoke (acc. EN 61034-2)		No
Outer diameter approx.	mm	8.2
Permitted cable outer temperature, in movement	°C	-10 - 80
Permitted cable outer temperature, fixed	°C	-20 - 80
Category		-
NVP value	%	66.5

Approvals

North America Certification		UL listed, CSA certified
Specially designed for North America		No

Dimensions



I/O round cable

Additional product information (links)

SmartWire-DT manual, The System MN05006002Z

SmartWire-DT manual, The System MN05006002Z - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_DE.pdf
SmartWire-DT manual, The System MN05006002Z - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_EN.pdf
SmartWire-DT manual, The System MN05006002Z - italiano	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN05006002Z_IT.pdf
amp;startpage=Title;Product Range Catalog SmartWire-DT	http://ecat.moeller.net/flip-cat/?edition=SWCAT&startpage=Title;Product Range Catalog SmartWire-DT
Technical data	http://ecat.moeller.net/flip-cat/?edition=SWCAT&startpage=32
SWD-ASSIST	http://downloadcenter.moeller.net/en/software.a487d8b7-da91-486f-b3ba-a7ca2035db99