

MB-Power-cable IP67 for connecting the Multiblock, 10 m, prefabricated with 7/8" plug and 7/8" socket

Powering Business Worldwide*



Part no. SWD4-10LR4P-2R Catalog No. 183226

Eaton Catalog No. SWD4-10LR4P-2R

Similar to illustration

Delivery program		
Product range		SmartWire-DT accessories
Basic function		Supply cable
Function		For directly connecting the power supply to EU6E, EU8E IP67 SmartWire-DT modules
Description		4 pole Prefabricated with 7/8" right-angle plug and 7/8" right-angle socket
Length	m	10
Note regarding length		1 off
Connection to SmartWire-DT		yes
Protection type (IEC/EN 60529, EN50178, VBG 4)		IP67

Technical data

Amhient	conditions	mechanical

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

echnical data for design verification			
Static heat dissipation, non-current-dependent	P_{vs}	W	0
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature max.		°C	-25
Operating ambient temperature max.		°C	70
Degree of Protection			IP67
C/EN 61439 design verification			
10.2 Strength of materials and parts			
10.2.2 Corrosion resistance			Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures			Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat			Meets the product standard's requirements.
$10.2.3.3\mbox{Verification}$ of resistance of insulating materials to abnormal heat and fire due to internal electric effects			Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation			Meets the product standard's requirements.
10.2.5 Lifting			Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact			Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions			Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES			Meets the product standard's requirements.
10.4 Clearances and creepage distances			Meets the product standard's requirements.
10.5 Protection against electric shock			Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components			Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections			Is the panel builder's responsibility.
10.8 Connections for external conductors			Is the panel builder's responsibility.
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.

10.10 Temperature rise	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating	Is the panel builder's responsibility.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility.
10.13 Mechanical function	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

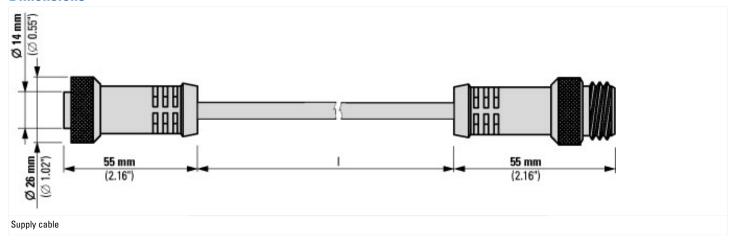
Technical data ETIM 6.0

Electric engineering, automation, process control engineering / Cable, wire / Communication cable / Data Cu, bare Conductor material mm 1.5 Diameter conductor mm² 0.5 AWG-size 20 Class 2 = stranded Conductor category (Lass 2 = stranded Number of cores 4 Pairs Stranding element PE (polyethylene) Core insulation PE (polyethylene) Core identification PE (polyethylene) Screen over stranding element PE (polyethylene) Screen over stranding element PV (Polyethylene) Screen over stranding element PV (Polyethylene) Colour outer sheath PV (Polyethylene) Low smoke (acc. EN 60754-1/2) Promited cable outer temperature, in movement PV (Polyethylene) Outer	reclinical data ETIM 6.0				
Conductor material Cu, bare Diameter conductor mm 1.5 Nominal cross section conductor mm² 0.5 AWG-size 20 class 2 = stranded Conductor category Lass 2 = stranded Number of cores Pairs 4 Stranding element PE (polyethylene) Core insulation Colour Foil Screen over stranding element PVC Foil Screen over stranding element PVC PVC Colour outer sheath PVC PVC Colour outer sheath PVC PVC Halogen free (acc. EN 60754-1/2) Yes PVC Flame retardant In accordance with EN 60332-1-2 In accordance with EN 60332-1-2 Low smoke (acc. EN 61034-2) mm 1 Outer diameter approx. mm 1 Permitted cable outer temperature, in movement °C -0 - 80 Permitted cable outer temperature, fixed °C -0 - 80 Category	Cables and wires unpreassembled (EG000001) / Data cable (EC000830)				
Diameter conductor mm 1.5 Nominal cross section conductor mm² 0.5 AWG-size 20 Conductor category Class 2 = stranded Number of cores 4 4 Stranding element Pairs 20 Core insulation Colour Per (polyethylene) Core identification Foil Colour Screen over stranding element Prof PVC Screen over stranding None PVC Colour outer sheath PVC Black Halogen free (acc. EN 60754-1/2) Ys Flame retardant In accordance with EN 60332-1-2 Low smoke (acc. EN 61034-2) No Outer diameter approx. mm 1 Permitted cable outer temperature, in movement "C -10-80 Permitted cable outer temperature, fixed "C -20-80 Category	Electric engineering, automation, process control engineering / Cable, wire / Communication cable / Data cable (ecl@ss8.1-27-06-18-01 [AKE197011])				
Nominal cross section conductor mm² 0.5 AWG-size 20 Conductor category Class 2 = stranded Number of cores 4 Stranding element Pairs Core insulation Colour Core identification FC (polyethylene) Screen over stranding element Foil Screen over stranding None Material outer sheath PVC Colour outer sheath PVC Colour outer sheath Yes Halogen free (acc. EN 60754-1/2) Yes Flame retardant In accordance with EN 6032-1-2 Low smoke (acc. EN 61034-2) No Outer diameter approx. mm 1 Permitted cable outer temperature, in movement °C -10 - 80 Permitted cable outer temperature, fixed °C -20 - 80 Category	Conductor material			Cu, bare	
AWG-size 20 Conductor category Class 2 = stranded Number of cores 4 Stranding element Pairs Core insulation Colour 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 1 Permitted cable outer temperature, in movement °C -10-80 Permitted cable outer temperature, fixed °C -20-80 Category	Diameter conductor		mm	1.5	
Conductor category Number of cores Stranding element Core insulation Core identification Core identification Core were stranding element Screen over stranding element Screen over stranding Material outer sheath Colour outer sheath Halogen free (acc. EN 60754-1/2) Flame retardant Low smoke (acc. EN 61034-2) Outer diameter approx. Permitted cable outer temperature, in movement Permitted cable outer temperature, fixed Ciloss 2 = stranded A (acc. EN 61054-1/2) Pairs Colour Outer sheath Pairs Colour Outer sheath Pormitted cable outer temperature, fixed Ciloss 2 = stranded A (acc. EN 61054-1/2) Pairs Pairs Policy Pol	Nominal cross section conductor		mm²	0.5	
Number of cores Stranding element Core insulation Core insulation Core identification Core identification Core identification Core extranding element Core extranding element Core identification Core identification Core identification Core identification Core identification Core identification Colour Colour Colour Colour Core identification Colour Colour Core identification Colour Colour Colour Core identification Colour Colou	AWG-size			20	
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Screen over stranding element Screen over stranding Screen over stranding Material outer sheath Mone Colour outer sheath Colour outer sheath Halogen free (acc. EN 60754-1/2) Flame retardant Low smoke (acc. EN 61034-2) Outer diameter approx. mm 11 Permitted cable outer temperature, in movement Permitted cable outer temperature, fixed Category Foil None None None Nec 1 accordance with EN 60332-1-2 No 1 1 2 10 - 80 - 2	Core insulation			PE (polyethylene)	
Screen over stranding Material outer sheath Colour outer sheath Halogen free (acc. EN 60754-1/2) Flame retardant Low smoke (acc. EN 61034-2) Outer diameter approx. Permitted cable outer temperature, in movement Permitted cable outer temperature, fixed Category None None PVC Yes In accordance with EN 60332-1-2 No 11 12 10 - 80 - 20 -	Core identification			Colour	
Material outer sheath Colour outer sheath Halogen free (acc. EN 60754-1/2) Flame retardant Low smoke (acc. EN 61034-2) Outer diameter approx. Permitted cable outer temperature, in movement Permitted cable outer temperature, fixed Category Material outer sheath PVC Rlack Halogen free (acc. EN 60754-1/2) Flack Halogen free (acc. EN 60754-1/2) No No 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	Screen over stranding element			Foil	
Colour outer sheath Halogen free (acc. EN 60754-1/2) Flame retardant Low smoke (acc. EN 61034-2) Outer diameter approx. Permitted cable outer temperature, in movement Permitted cable outer temperature, fixed Category Black Yes In accordance with EN 60332-1-2 In accordance with EN 6033	Screen over stranding			None	
Halogen free (acc. EN 60754-1/2) Flame retardant Low smoke (acc. EN 61034-2) Outer diameter approx. Permitted cable outer temperature, in movement Permitted cable outer temperature, fixed Category Yes No No No Outer diameter approx. mm 11 Permitted cable outer temperature, in movement °C -10 - 80 Category - Category - Category	Material outer sheath			PVC	
Flame retardant Low smoke (acc. EN 61034-2) Outer diameter approx. Permitted cable outer temperature, in movement Permitted cable outer temperature, fixed Category In accordance with EN 60332-1-2 No No 1 1 2 3 4 5 5 6 7 7 7 7 7 7 8 7 8 7 8 7 8 7 8 7 8 7 8	Colour outer sheath			Black	
Low smoke (acc. EN 61034-2) Outer diameter approx. mm 11 Permitted cable outer temperature, in movement °C -10 - 80 Permitted cable outer temperature, fixed °C -20 - 80 Category	Halogen free (acc. EN 60754-1/2)			Yes	
Outer diameter approx. mm 11 Permitted cable outer temperature, in movement °C -10 - 80 Permitted cable outer temperature, fixed °C -20 - 80 Category	Flame retardant			In accordance with EN 60332-1-2	
Permitted cable outer temperature, in movement °C -10 - 80 Permitted cable outer temperature, fixed °C -20 - 80 Category	Low smoke (acc. EN 61034-2)			No	
Permitted cable outer temperature, fixed °C -20 - 80 Category	Outer diameter approx.		mm	11	
Category -	Permitted cable outer temperature, in movement		°C	-10 - 80	
	Permitted cable outer temperature, fixed		°C	-20 - 80	
NVP value % 66.5	Category			-	
	NVP value		%	66.5	

Approvals

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

Dimensions



Additional product information (links)

SmartWire-DT product range catalog http://ecat.moeller.net/flip-cat/?edition=SWKAT&startpage=Titel