DATASHEET - SWD4-SP-4084

No.



SmartWire-DT splitter IP67, from M12 plug to two M8 sockets, 4-Pole, pin 4

Part no.SWD4-SP-4084Catalog No.174705Alternate CatalogSWD4-SP-4084



Delivery program

Product range	SmartWire-DT accessories
Basic function	Splitter
Basic function accessories	Splitter
Function	For splitting an M12 I/O connection's I/O signals
Description	Splitter with IP67 degree of protection, M12 plug into two 4 pole M8 sockets with I/ O signal on pin 4
Connection to SmartWire-DT	yes
For use with	EU1E-SWD EU2E-SWD

Technical data

Protection type (IEC/EN 60529, EN50178, VBG 4) IP67 Climatic environmental conditions IP67 Climatic proofing IP heat to IEC 60068-2-2 Damp heat as per EN 60068-2-3 Damp heat as per EN 60068-2-3 Air pressure (operation) IPA Ambient temperature IPA Operation IPA Storage / Transport IPA Relative humidity IPA Condensation IPA	General			
Power loss P W 0 Note on heat dissipation not relevant not relevant Ambient conditions, mechanical IP67 Protection type (IEC/EN 60529, EN50178, VBG 4) Image: Second and	Dimensions (W x H x D)		mm	31 x 46 x 16
Note on heat dissipation not relevant Ambient conditions, mechanical IP67 Climatic environmental conditions IP67 Climatic proofing IP67 Anbient tomperature IP7 heat to IEC 60068-2-3 Damp heat as per EN 60068-2-3 Ambient temperature IP8 Operation IP8 Storage / Transport IP8 Relative humidity IP8 Condensation IP9 Connection options IP9 IP9 IP9	Mounting position			As required
Ambient conditions, mechanical IP67 Protection type (IEC/EN 60529, EN50178, VBG 4) IP67 Climatic environmental conditions IP7 heat to IEC 60068-2-2 Damp heat as per EN 60068-2-3 Air pressure (operation) IPA Ambient temperature IPA Operation IPA Storage / Transport IPA Relative humidity IPA Condensation IPA Connection options IPA IPA IPA <	Power loss	Р	W	0
Protection type (IEC/EN 60529, EN50178, VBG 4) IP67 Climatic environmental conditions File Climatic proofing IP67 Climatic proofing IP67 Air pressure (operation) IP67 Ambient temperature IP67 Operation IP67 Storage / Transport IP67 Relative humidity IP67 Condensation IP67 Connection options IP67 IP67 IP67	Note on heat dissipation			not relevant
Climatic environmental conditions Climatic proofing Image: Proof of the system of the syst	Ambient conditions, mechanical			
Climatic proofing Pry heat to IEC 60068-2-2 Damp heat as per EN 60068-2-3 Air pressure (operation) hPa Ambient temperature PS - 1080 Operation 8 C Operation 9 C Storage / Transport 8 C Relative humidity 6 - Condensation 6 - Condensation 6 - Connection options - - Connection 1 6 - Mathematica - - Mathematica - <td>Protection type (IEC/EN 60529, EN50178, VBG 4)</td> <td></td> <td></td> <td>IP67</td>	Protection type (IEC/EN 60529, EN50178, VBG 4)			IP67
Air pressure (operation) Main Damp heat as per EN 60068-2-3 Air pressure (operation) hPa 795-1080 Ambient temperature Image: Image	Climatic environmental conditions			
Ambient temperature 9 C -25 - +90 Operation 9 °C -40 - +90 Storage / Transport 9 °C -40 - +90 Relative humidity	Climatic proofing			
Operation 9 °C -25 - 90 Storage / Transport 9 °C -40 - 90 Relative humidity - - - Condensation - - - Connection options - - - Connection 1 - - -	Air pressure (operation)		hPa	795 - 1080
Storage / Transport 8 °C -40 - +90 Relative humidity -40 - +90 -40 - +90 Condensation permissible Connection options permissible Connection 1 1 1	Ambient temperature			
Relative humidity Condensation Condensation permissible Connection options M12 plug (A-keyed)	Operation	θ	°C	-25 - +90
Condensation Permissible Connection options Image: Connection 1 Connection 1 Image: Connection 2	Storage / Transport	θ	°C	-40 - +90
Connection options Connection 1 M12 plug (A-keyed)	Relative humidity			
Connection 1 M12 plug (A-keyed)	Condensation			permissible
	Connection options			
Connection 2 2 * M8 sockets, 4-pin, I/O on connection pin 4	Connection 1			M12 plug (A-keyed)
Connection 2 2* M8 sockets, 4-pin, I/O on connection pin 4				
	Connection 2			2 * M8 sockets, 4-pin, I/O on connection pin 4

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	90
Degree of Protection			IP67
IEC/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 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.

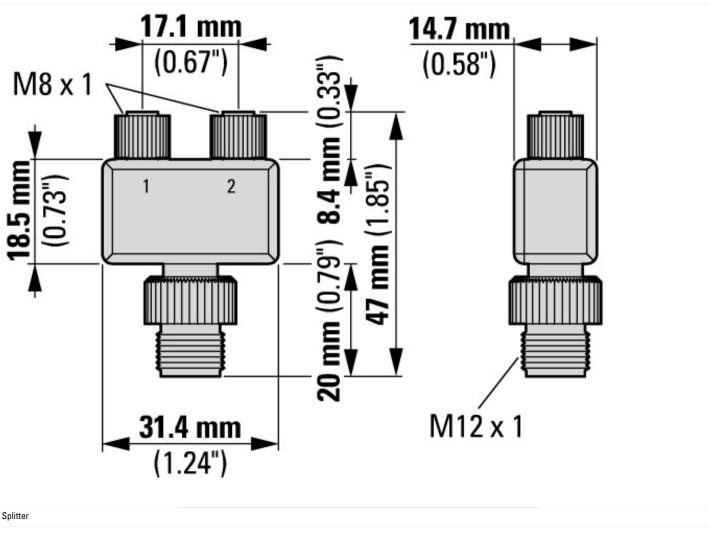
Technical data ETIM 7.0

PLC's (EG000024) / Accessories for controls (EC002584)		
Electric engineering, automation, process control engineering / Control / Programmable logic control (SPS) / Programmable logic control (SPS, accessories) (ecl@ss10.0.1-27-24-22-92 [AFR333003])		
Type of electrical accessory	Plug	
Type of mechanical accessory	Other	

Approvals

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





Additional product information (links)

SmartWire-DT product range catalog

f1=1457&f2=1181&f3=1530;Download Wizard SWD-ASSIST

Product overview WEB)

http://ecat.moeller.net/flip-cat/?edition=SWKAT&startpage=Titel

http://applications.eaton.eu/sdlc?LX=11&

http://www.eaton.eu/swd