SWD accessories, Local SmartWire-DT branch

Part no.	EU2A-SWD-PBWN
Article no.	174734
Catalog No.	EU2A-SWD-PBWN

Delivery programme

Product range		SmartWire-DT accessories
Basic function		Cable adapters
Function		Local SmartWire-DT branch
Description		Local SWD branch for putting together a local SWD network with SWD module (IP67)
Connection to SmartWire-DT		yes

Technical data

General

Standards			IEC/EN 61131-2 EN50178 IEC/EN 60529
Dimensions (W x H x D)		mm	85.6 x 56.9 x 20.1
Weight		kg	0.11
Mounting			DIN-rail, screw fixing (M5), mounting section (Clip M20)
Mounting position			As required
Note on heat dissipation			not relevant

Ambient conditions, mechanical

Protection type (IEC/EN 60529, EN50178, VBG 4)			IP67
Vibrations (IEC/EN 61131-2:2008)			
Constant amplitude 3,5 mm		Hz	
constant amplitude 0.15 mm max.		Hz	8.4
Constant amplitude 0.15 mm min. (RefExtrakt)		Hz	5
Constant acceleration 1 g		Hz	
constant acceleration 1 g max.		Hz	150
constant acceleration 1 g min.		Hz	8.4
Mechanical shock resistance (IEC/EN 60068-2-27) semi-sinusoidal 15 g/11 ms		Impacts	9
Drop to IEC/EN 60068-2-31	Drop height	mm	50
Free fall, packaged (IEC/EN 60068-2-32)		m	0.3

Electromagnetic compatibility (EMC)

Overvoltage category			II
Pollution degree			3
Electrostatic discharge (IEC/EN 61131-2:2008)			
Air discharge (Level 3)		kV	8
Contact discharge (Level 2)		kV	4
Electromagnetic fields (IEC/EN 61131-2:2008)			
2 - 2.7 GHz		V/m	1
1.4 - 2 GHz		V/m	3
80 - 1000 MHz		V/m	10
Radio interference suppression			Class A
Burst (IEC/EN 61131-2:2008, Level 3)			
SmartWire-DT cables		kV	1
Radiated RFI (IEC/EN 61131-2:2008, Level 3)		V	10

Climatic environmental conditions

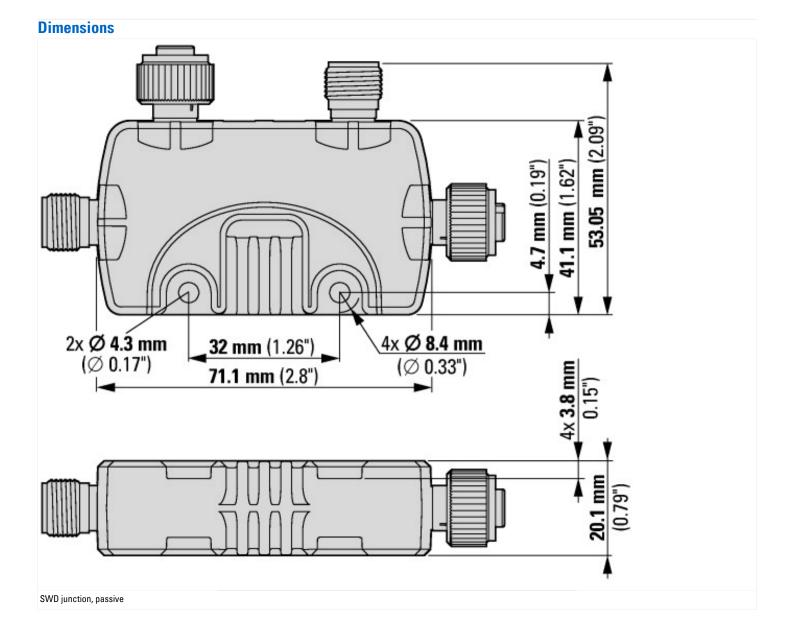|			
Climatic proofing			Dry heat to IEC 60068-2-2 Damp heat as per EN 60068-2-3
Air pressure (operation)		hPa	795 - 1080
Ambient temperature			
Operation	ϑ	°C	-25 - +55
Storage / Transport	ϑ	°C	-40 - +70
Relative humidity			

Condensation			permissible

Connection options

Connection 1			M12 plug. A-keyed
Connection 2			M12 socket (A-keyed), 5-pin

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		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 6.0

PLC's (EG000024) / Accessories for controls (EC002584)			
Electric engineering, automation, process control engineering / Control / Control (accessories) / Control (accessories, unspecified) (ecl@ss8.1-27-24-92-90 [AKN560011])			
Type of electrical accessory			Plug
Type of mechanical accessory			-
Type of documentation			-

Dimensions

SWD junction, passive

Additional product information (links)

MN120006 Handbuch SmartWire-DT, SWD-Teilnehmer IP67

MN120006 SmartWire-DT Teilnehmer – IP67 - Deutsch	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN120006_DE.pdf
MN120006 SmartWire-DT modules – IP67 - English	ftp://ftp.moeller.net/DOCUMENTATION/AWB_MANUALS/MN120006_EN.pdf
amp;startpage=Title;Product Range Catalog SmartWire-DT	http://ecat.moeller.net/flip-cat/?edition=SWCAT&amp
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