

Part no. **EU2A-SWD-PBWN**
174734

General specifications		
Product name		Eaton EU2A Accessory Junction
Part no.		EU2A-SWD-PBWN
EAN		4015081712205
Product Length/Depth		98 millimetre
Product height		20.1 millimetre
Product width		56.9 millimetre
Product weight		0.085 kilogram
Certifications		IEC/EN 60529 EN 50178 IEC/EN 61131-2
Product Tradename		EU2A
Product Type		Accessory
Product Sub Type		Junction
Catalog Notes		not relevant
General information		
Degree of protection		IP67 (according to IEC/EN 60529, EN 50178, VBG 4) IP67
Overvoltage category		II
Pollution degree		3
Product category		SmartWire-DT accessories
Type		Local SmartWire-DT branch
Ambient conditions, mechanical		
Constant acceleration		1 g, 8.4 - 150 Hz, according to IEC/EN 61131-2, Vibrations
Constant amplitude		3,5 mm, 5 - 8.4 Hz, according to IEC/EN 61131-2, Vibrations
Drop and topple		50 mm Drop height, Drop to IEC/EN 60068-2-31
Height of fall (IEC/EN 60068-2-32) - max		0.3 m
Mounting position		As required
Shock resistance		15 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 11 ms, 9 Impacts
Climatic environmental conditions		
Air pressure		795 - 1080 hPa (operation)
Ambient operating temperature - min		-25 °C
Ambient operating temperature - max		70 °C
Ambient storage temperature - min		-40 °C
Ambient storage temperature - max		70 °C
Climatic proofing		Damp heat, constant, to IEC 60068-2-3 Dry heat to IEC 60068-2-2
Environmental conditions		Condensation: permissible
Operating temperature - min		-25 °C
Operating temperature - max		55 °C
Electro magnetic compatibility		
Air discharge		8 kV, according to IEC 61131-2, level 3, ESD
Burst impulse		1 kV, SmartWire-DT cable, according to IEC/EN 61131-2, Level 3
Contact discharge		4 kV, according to IEC/EN 61131-2, Level 2, ESD
Electromagnetic fields		1 V/m at 2.0 - 2.7 GHz (according to IEC/EN 61131-2:2008) 10 V/m at 80 - 1000 MHz (according to IEC/EN 61131-2:2008) 3 V/m at 1.4 - 2 GHz (according to IEC/EN 61131-2:2008)
Radiated RFI		10 V (IEC/EN 61131-2:2008, Level 3)
Radio interference class		Class A (EN 55011)
Communication		

Connection to SmartWire-DT		Yes
Connection type		Connection 1: M12 Plug (A-keyed) M12 socket (A-keyed), 5-pin
Design verification		
Heat dissipation capacity P _{diss}		0 W
Static heat dissipation, non-current-dependent P _{vs}		0 W
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 Resist. of insul. mat. to abnormal heat/fire by internal elect. 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.
10.9.2 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 9.0

Programmable logic controllers PLC (EG000024) / Accessories/spare parts for controls (EC002584)		
Electric engineering, automation, process control engineering / Display and control component / Panel (HMI) / Panel (HMI, accessories) (ecI@ss13-27-33-02-92 [AFX005008])		
Type of electrical accessory/spare part		Plug
Type of mechanical accessory/spare part		Other
Accessory		Yes
Spare part		No