

Specifications



Eaton 116022

Eaton SWD4 External device plug, SmartWire-DT, at ribbon cable for connection of SWD module

General specifications

PRODUCT NAME	Eaton SWD4 Accessory External device plug
CATALOG NUMBER	116022
MODEL CODE	SWD4-8SF2-5
EAN	4015081157624
PRODUCT LENGTH/DEPTH	17 mm
PRODUCT HEIGHT	36 mm
PRODUCT WIDTH	15 mm
PRODUCT WEIGHT	0.006 kg
CERTIFICATIONS	CSA File No.: 2324643 IEC/EN 61131-2 UL File No.: E29184 EN 50178 CSA Class No.: 3211-07 UL UL Category Control No.: NKCR CSA
CATALOG NOTES	not relevant



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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
MOUNTING POSITION	As required
SHOCK RESISTANCE	15 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 11 ms, 9 Impacts

Communication

CONNECTION TO SMARTWIRE-DT	Yes
CONNECTION TYPE	Socket, 8-pole

Climatic environmental conditions

AIR PRESSURE	795 - 1080 hPa (operation)
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
AMBIENT STORAGE TEMPERATURE - MAX	70 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT STORAGE TEMPERATURE - MIN	-40 °C
CLIMATIC PROOFING	Dry heat to IEC 60068-2-2 Damp heat, constant, to IEC 60068-2-3
ENVIRONMENTAL CONDITIONS	Condensation: prevent with appropriate measures
OPERATING TEMPERATURE - MAX	55 °C
OPERATING TEMPERATURE - MIN	-25 °C
RELATIVE HUMIDITY	5 - 95 % (non-condensing, IEC/EN 60068-2-30)

Design verification

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.
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	Meets the product standard's requirements.

ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	
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.
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W

Electrical rating

POWER LOSS	0 W
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General information

DEGREE OF PROTECTION	IP20 (according to IEC/EN 60529, EN 50178, VBG 4) IP20
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PRODUCT CATEGORY	SmartWire-DT accessories
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Features & functions

FUNCTIONS

For connecting the ribbon cable to SmartWire-DT modules in the control panel

Input/Output

NUMBER OF INSERTION CYCLES	200
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Resources

BROCHURES	eaton-smartwire-dt-intelligent-wiring-brochure-br120001en-en-us.pdf
CATALOGUES	SmartWire-DT Catalog eaton-drives-soft-starter-catalog-ca04020001zen-us.pdf eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-accessory-declaration-of-conformity-eu250516en.pdf eaton-accessory-declaration-of-conformity-uk250999en.pdf
DRAWINGS	eaton-general-eu5e-i-o-module-symbol.eps 2723DRW-46 eaton-general-approval-easy-control-relays-standards.jpg eaton-modular-plc-device-dimensions.eps eaton-general-easy-control-relays-symbol-002.tif
ECAD MODEL	DA-CE-ETN.SWD4-8SF2-5
INSTALLATION INSTRUCTIONS	IL04716001Z
INSTALLATION VIDEOS	SmartWire-DT in Application
MANUALS AND USER GUIDES	MN05006002Z_EN
MCAD MODEL	eaton-accessories-mcad-drawings-geratestecker-swd.dwg DA-CS-geratestecker.swd
MULTIMEDIA	How to process SmartWire-DT modules using the EASY-COM-SWD-C1 module connected to an easyE4? SmartWire-DT Overview and how to use in easySoft Z

	easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator
SALES NOTES	eaton-electro-hydraulic-module-eu1h-flyer-fl120003en-en-us.pdf eaton-rmq-chemical-resistance-flyer-fl047011en-en-us.pdf

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



Eaton Corporation plc Eaton House
30 Pembroke Road
Dublin 4, Ireland
Eaton.com

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