

# Specifications

## Eaton 116023

Eaton SWD4 Blade terminal, SmartWire-DT, on ribbon-cable end for connecting coordinator etc.

### General specifications

<b>PRODUCT NAME</b>	Eaton SWD4 Accessory Blade terminal
<b>CATALOG NUMBER</b>	116023
<b>MODEL CODE</b>	SWD4-8MF2
<b>EAN</b>	4015081157631
<b>PRODUCT LENGTH/DEPTH</b>	8 mm
<b>PRODUCT HEIGHT</b>	18 mm
<b>PRODUCT WIDTH</b>	23 mm
<b>PRODUCT WEIGHT</b>	0.002 kg
<b>CERTIFICATIONS</b>	UL File No.: E29184 CSA CSA File No.: 2324643 CSA Class No.: 3211-07 UL Category Control No.: NKCR UL
<b>CATALOG NOTES</b>	not relevant
<b>GLOBAL CATALOG</b>	116023
<b>PRODUCT TYPE</b>	Accessory

## Product specifications

<b>10.10 TEMPERATURE RISE</b>	The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
<b>10.11 SHORT-CIRCUIT RATING</b>	Is the panel builder's responsibility.
<b>10.12 ELECTROMAGNETIC COMPATIBILITY</b>	Is the panel builder's responsibility.
<b>10.13 MECHANICAL FUNCTION</b>	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.
<b>10.2.2 CORROSION RESISTANCE</b>	Meets the product standard's requirements.
<b>10.2.3.1 VERIFICATION OF THERMAL STABILITY OF ENCLOSURES</b>	Meets the product standard's requirements.
<b>10.2.3.2 VERIFICATION OF RESISTANCE OF INSULATING MATERIALS TO NORMAL HEAT</b>	Meets the product standard's requirements.
<b>10.2.3.3 RESIST. OF INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS</b>	Meets the product standard's requirements.
<b>10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION</b>	Meets the product standard's requirements.
<b>10.2.5 LIFTING</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.6 MECHANICAL IMPACT</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.2.7 INSCRIPTIONS</b>	Meets the product standard's requirements.
<b>10.3 DEGREE OF PROTECTION OF ASSEMBLIES</b>	Meets the product standard's requirements.
<b>10.4 CLEARANCES AND CREEPAGE DISTANCES</b>	Meets the product standard's requirements.
<b>10.5 PROTECTION AGAINST ELECTRIC SHOCK</b>	Does not apply, since the entire switchgear needs to be evaluated.
<b>10.6 INCORPORATION OF SWITCHING DEVICES AND COMPONENTS</b>	Does not apply, since the entire switchgear needs to be evaluated.

## Resources

### BROCHURES

[eaton-smartwire-dt-intelligent-wiring-brochure-br120001en-en-us.pdf](#)

### CATALOGS

[eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf](#)

[Product Range Catalog](#)  
[Drives Engineering](#)

[SmartWire-DT Catalog](#)

### DECLARATIONS OF CONFORMITY

[eaton-accessory-declaration-of-conformity-eu250516en.pdf](#)

[eaton-accessory-declaration-of-conformity-uk250999en.pdf](#)

### DRAWINGS

[eaton-modular-plc-swd4-blade-terminal-dimensions.eps](#)

[eaton-general-eu5e-i-o-module-symbol.eps](#)

[eaton-general-easy-control-relays-symbol-002.tif](#)

[eaton-general-approval-easy-control-relays-standards.jpg](#)

[eaton-operating-swd-swd4-blade-terminal-3d-drawing.eps](#)

### ECAD MODEL

[ETN.SWD4-8MF2](#)

### INSTALLATION INSTRUCTIONS

[IL04716001Z](#)

### INSTALLATION VIDEOS

[SmartWire-DT in Application](#)

### MANUALS AND USER GUIDES

[MN05006002Z\\_EN](#)

### MCAD MODEL

[flachstecker\\_swd](#)  
[flachstecker\\_swd.stp](#)

### MULTIMEDIA

[SmartWire-DT Overview and how to use in easySoft Z](#)

<b>10.7 INTERNAL ELECTRICAL CIRCUITS AND CONNECTIONS</b>	Is the panel builder's responsibility.
<b>10.8 CONNECTIONS FOR EXTERNAL CONDUCTORS</b>	Is the panel builder's responsibility.
<b>10.9.2 POWER-FREQUENCY ELECTRIC STRENGTH</b>	Is the panel builder's responsibility.
<b>10.9.3 IMPULSE WITHSTAND VOLTAGE</b>	Is the panel builder's responsibility.
<b>10.9.4 TESTING OF ENCLOSURES MADE OF INSULATING MATERIAL</b>	Is the panel builder's responsibility.
<b>CLIMATIC PROOFING</b>	Dry heat to IEC 60068-2-2 Damp heat, constant, to IEC 60068-2-3
<b>CONNECTION TO SMARTWIRE-DT</b>	Yes
<b>AIR PRESSURE</b>	795 - 1080 hPa (operation)
<b>ENVIRONMENTAL CONDITIONS</b>	Condensation: prevent with appropriate measures
<b>MOUNTING POSITION</b>	As required
<b>AMBIENT OPERATING TEMPERATURE - MAX</b>	105 °C
<b>AMBIENT OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>AMBIENT STORAGE TEMPERATURE - MAX</b>	105 °C
<b>AMBIENT STORAGE TEMPERATURE - MIN</b>	-40 °C
<b>EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID</b>	0 W
<b>HEAT DISSIPATION CAPACITY PDISS</b>	0 W
<b>HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID</b>	0 W
<b>CONSTANT ACCELERATION</b>	1 g, 8.4 - 150 Hz, according to IEC/EN 61131-2, Vibrations
<b>CONSTANT AMPLITUDE</b>	3,5 mm, 5 - 8.4 Hz, according to IEC/EN 61131-2, Vibrations
<b>ELECTRICAL ACCESSORY TYPE</b>	Plug
<b>CONNECTION TYPE</b>	Socket, 8-pole
<b>RELATIVE HUMIDITY</b>	5 - 95 % (non-condensing, IEC/EN 60068-2-30)
<b>DEGREE OF PROTECTION</b>	IP20

<a href="#"><u>How to process SmartWire-DT modules using the EASY-COM-SWD-C1 module connected to an easyE4?</u></a>	
<a href="#"><u>easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator</u></a>	
<a href="#"><u>eaton-rmq-chemical-resistance-flyer-fl047011en-en-us.pdf</u></a>	
<a href="#"><u>eaton-electro-hydraulic-module-eu1h-flyer-fl120003en-en-us.pdf</u></a>	
<b>SALES NOTES</b>	
<b>SPECIFICATIONS AND DATASHEETS</b>	<a href="#"><u>Eaton Specification Sheet - 116023</u></a>

IP20 (according to IEC/EN 60529, EN 50178, VBG 4)	
<b>MECHANICAL ACCESSORY TYPE</b>	Other
<b>FUNCTIONS</b>	For connecting the ribbon cable to the gateway, power feeder module, coupling, SWD4-RC8-10 bus termination resistor
<b>SHOCK RESISTANCE</b>	15 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 11 ms, 9 Impacts
<b>NUMBER OF INSERTION CYCLES</b>	200
<b>OPERATING TEMPERATURE - MAX</b>	105 °C
<b>OPERATING TEMPERATURE - MIN</b>	-25 °C
<b>RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)</b>	0 A
<b>STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS</b>	0 W
<b>PRODUCT CATEGORY</b>	SmartWire-DT accessories
<b>POWER LOSS</b>	0 W

**PROJECT NAME:**

**PROJECT NUMBER:**

**PREPARED BY:**

**DATE:**



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