Specifications

Eaton 116027

Eaton SWD4 Flat cable, SmartWire-DT, 3 m, 8-Pole, prefabricated with 2 blade terminals SWD4-8MF2

General specifications

PRODUCT NAME	Eaton SWD4 Accessory Flat cable
CATALOG NUMBER	116027
MODEL CODE	SWD4-3LF8-24-2S
EAN	4015081157679
PRODUCT LENGTH/DEPTH	90 mm
PRODUCT HEIGHT	22 mm
PRODUCT WIDTH	90 mm
PRODUCT WEIGHT	0.11 kg
CERTIFICATIONS	UL UL File No.: E29184 UL Category Control No.: NKCR CSA File No.: 2324643 CSA Class No.: 3211-07 CSA
GLOBAL CATALOG	116027

Product specifications

NUMBER OF POLES	Eight-pole
SUITABLE AS	Signaling cable
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 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.

Resources

BROCHURES	eaton-smartwire-dt-intelligent-wiring-brochure-br120001en-en-us.pdf
CATALOGS	SmartWire-DT Catalog Product Range Catalog Drives Engineering eaton-product-overview-for-machinery-catalogue-ca08103003zen-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-accessory-declaration-of-conformity-eu250516en.pdf
DRAWINGS	eaton-modular-plc-swd4-flat-cable-dimensions.eps eaton-general-eu5e-i-o-module-symbol.eps eaton-general-approval-easy-control-relays-standards.jpg eaton-general-easy-control-relays-symbol-002.tif eaton-modular-plc-swd4-flat-cable-3d-drawing.eps
ECAD MODEL	DA-CE-ETN.SWD4-3LF8-24-2S
INSTALLATION INSTRUCTIONS	IL04716001Z
INSTALLATION VIDEOS	SmartWire-DT in Application
MANUALS AND USER GUIDES	MN05006002Z_EN
MULTIMEDIA	How to process SmartWire-DT modules using the EASY-COM-SWD-C1 module connected to an easyE4? easyE4 SmartWire-DT module with Remote Touch Display and RMQ multi color indicator SmartWire-DT Overview and how to use in easySoft 7

10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be evaluated.	**SALES NOTES**	eaton-electro-hydraulic-module-eu1h-flyer-fl120003en-en-us.pdf eaton-rmq-chemical-resistance-flyer-fl047011en-en-us.pdf
10.2.6 MECHANICAL IMPACT	Does not apply, since the entire switchgear needs to be evaluated.	**SPECIFICATIONS AND DATASHEETS**	Eaton Specification Sheet - 116027
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.		
CABLE TYPE	Other		

FITTED WITH:	2 blade terminals SWD4-8MF2
CONDUCTOR CATEGORY	Class 2 = stranded
CABLE CATEGORY	Other
REACTION-TO-FIRE CLASS (EN 13501-6)	None
SPECIFICATION MATERIAL OUTER SHEATH	Other
STRANDING	Other
STRANDING ELEMENT	No
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	0 W
NOMINAL CROSS SECTION (CONDUCTOR)	0.23 mm²
NUMBER OF CORES	8
NUMBER OF STRANDING ELEMENTS	0
NVP VALUE	66.7 %
OUTER DIAMETER - APPROXIMATE	17.5 mm
PERMITTED BENDING RADIUS, MOVING APPLICATION WITH FORCED GUIDANCE - MIN	15 mm
PERMITTED BENDING RADIUS, MOVING APPLICATION WITH FREE MOVEMENT - MIN	15 mm
PERMITTED BENDING RADIUS, STATIONARY APPLICATION/PERMANENT INSTALLATION - MIN	7.5 mm
PERMITTED TEMPERATURE OF OUTER CABLE (ASSEMBLED) WITHOUT VIBRATION - MAX	105 °C
PERMITTED TEMPERATURE OF OUTER CABLE (ASSEMBLED) WITHOUT VIBRATION - MIN	-30 °C
PERMITTED TEMPERATURE OF	105 °C

OUTER CABLE (ASSEMBLING/HANDLING) - MAX	
PERMITTED TEMPERATURE OF OUTER CABLE (ASSEMBLING/HANDLING) - MIN	-10 °C
CIRCUIT INTEGRITY	None
APPROVED TYPE OF UNDERGROUND INSTALLATION	Other
MATERIAL REINFORCEMENT	Other
ARMOURING/REINFORCEMENT	None
CABLE GEOMETRY	Flat
CONDUCTOR MATERIAL	Other
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	0 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
PRODUCT CATEGORY	SmartWire-DT accessories
CONDUCTOR DIAMETER	1.35 mm
AWG-SIZE	24
CABLE LENGTH	3 m
CONDUCTOR SURFACE	Tinned
CORE IDENTIFICATION	Colour
CORE INSULATION MATERIAL	Polyvinyl chloride (PVC) Other
EURO CLASS ACIDITY (EN 13501-6)	None
EURO CLASS FLAMING DROPLETS/PARTICLES (EN 13501-6)	None
FLAME RETARDANT	In accordance with EN 60332-1-2
OUTER SHEATH COLOR	Green
OUTER SHEATH MATERIAL	Polyvinyl chloride (PVC)
PROTECTIVE SHEATH MATERIAL	Other
SCREEN OVER STRANDING	None
SCREEN OVER STRANDING	None

ELEMENT	
SMOKE DEVELOPMENT CLASS (EN 13501-6)	None
FUNCTIONS	For connecting the SmartWire-DT modules within the control panel
NOMINAL VOLTAGE U	24 V
CHARACTERISTIC IMPEDANCE	100 Ω
ROLLED OUT CABLE WIDTH	17.5 mm
TENSILE STRENGTH DURING INSTALLATION - MAX	11.5 N
NUMBER OF SHEATH LAYERS	0
WEIGHT PER KILOMETER	36.67 kg/km

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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