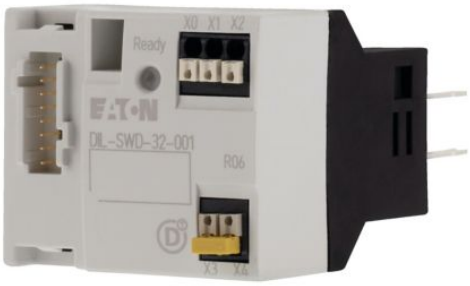
Specyfikacje



Eaton 118560

Eaton Moeller® series DIL-SWD Function element, contactor, SmartWire-DT, DIL/MSC

General specifications

PRODUCT NAME	Eaton Moeller® series DIL-SWD SWD contactor module
CATALOG NUMBER	118560
EAN	4015081168309
PRODUCT LENGTH/DEPTH	72 mm
PRODUCT HEIGHT	38 mm
PRODUCT WIDTH	45 mm
PRODUCT WEIGHT	0.04 kg
CERTIFICATIONS	CSA File No.: 2324643 CSA Class No.: 3211-07 CSA-C22.2 No. 14-05 UL UL File No.: E29184 CSA IEC/EN 61131-2 UL Category Control No.: NKCR CE EN 50178 IEC/EN 60947 IEC/EN 60947-4-1 UL 508
MODEL CODE	DIL-SWD-32-001

Powering Business Worldwide

Charakterytyka & Funkcje

FEATURES	Fieldbus connection over separate bus coupler possible
FUNCTIONS	Contactor actuation Display of Switch status Contactor, status of the digital inputs 1 and 2 For connecting the contactors to SmartWire-DT
FITTED WITH:	Own supply
ELECTRIC CONNECTION TYPE	Spring clamp connection

Parametry ogólne

CABLE LENGTH	≤ 2.8 m, Connection auxiliary contact
CURRENT CONSUMPTION	40 mA, SmartWire-DT network
INPUT CURRENT AT SIGNAL 1	3 mA
NUMBER OF INPUTS (DIGITAL)	2
NUMBER OF OUTPUTS (DIGITAL)	1
OUTPUT CURRENT	0.5 A
OVERVOLTAGE CATEGORY	II
POLLUTION DEGREE	2
PRODUCT CATEGORY	SmartWire-DT slave
PROTOCOL	Other bus systems
TYPE	SWD contactor modules
VOLTAGE TYPE	DC

Warunki otoczenia, mechaniczne

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 DILM7 to DILM38
SHOCK RESISTANCE	15 g, Mechanical, according to IEC/EN 60068-2-27, Half-sinusoidal shock 11 ms, 9 Impacts

Klimatyczne warunki środowiskowe

AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT OPERATING TEMPERATURE - MAX	60 °C
AMBIENT OPERATING TEMPERATURE - MAX	60 °C
AMBIENT STORAGE TEMPERATURE - MIN	30 °C
AMBIENT STORAGE TEMPERATURE - MAX	70 °C
ENVIRONMENTAL CONDITIONS	Condensation: prevent with appropriate measures
RELATIVE HUMIDITY	5 - 95 % (non-condensing, IEC/EN 60068-2-30)

Kompatybilność elektromagnetyczna

AIR DISCHARGE	8 kV, according to IEC 61131-2, level 3, ESD
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)

Elektryczna moc znamionowa

RATED OPERATIONAL VOLTAGE	15 V DC (auxiliary contact)
SUPPLY VOLTAGE AT AC, 50 HZ - MIN	0 VAC
SUPPLY VOLTAGE AT AC, 50 HZ - MAX	0 VAC
SUPPLY VOLTAGE AT DC - MIN	15 VDC
SUPPLY VOLTAGE AT DC - MAX	15 VDC

Pojemność zacisków

TERMINAL CAPACITY	0.2 - 1.5 mm^2 (24 - 16 AWG), solid 0.25 - 1.5 mm^2, flexible with ferrule

System elektromagnetyczny

PICK-UP CURRENT	500 mA (for DILM 17-38) 188 mA (for DILM 12-15) 125 mA (for DILM 7-9)
POWER CONSUMPTION	3 W for DILM 7-9 (Pick-up power) 4.5 W for DILM 12-15 (Pick-up power) 4.5 W for DILM 12-15 (Sealing power) 12 W for DILM 17-38 (Pick-up power) 3 W for DILM 7-9 (Sealing power) 0.5 W for DILM 17-38 (Sealing power)
SEALING CURRENT	125 mA, SmartWire-DT network for DILM 7-9 21 mA, SmartWire-DT network for DILM 17-38 188 mA, SmartWire-DT network for DILM 12-15

Komunikacja

ADDRESSING	Address set automatically
CONNECTION TO SMARTWIRE-DT	Yes
CONNECTION TYPE	Push in terminals, Auxiliary contact SWD: Plug, 8-pole External device plug SWD4-8SF2-5, SmartWire-DT
LED INDICATOR	Status indication of SmartWire-DT network: Green and orange LED
STATION	SmartWire-DT slave, SmartWire-DT network

Styki

NUMBER OF AUXILIARY CONTACTS	2

Bezpieczeństwo

EXPLOSION SAFETY CATEGORY FOR DUST	None
EXPLOSION SAFETY CATEGORY FOR GAS	None
POTENTIAL ISOLATION	Connection auxiliary contact: no

Weryfikacja projektu konstrukcji

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	0.8 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)	Meets the product standard's requirements.

RADIATION	
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	Does not apply, since the entire switchgear needs to be evaluated.
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. The specifications for the switchgear must be observed.
10.12 ELECTROMAGNETIC COMPATIBILITY	Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 MECHANICAL	The device meets the

FUNCTION	requirements, provided the information in the instruction leaflet (IL) is observed.

Do pobrania

DEKLARACJE ZGODNOŚCI	eaton-accessory-declaration-of-conformity-uk251285en.pdf eaton-accessory-declaration-of-conformity-eu250802en.pdf
INSTRUKCJE MONTAŻU	IL03402036Z
MODELE ECAD	ETN.DIL-SWD-32-001
MODELE MCAD	DA-CD-dil_swd_32 DA-CS-dil_swd_32
RYSUNKI	eaton-modular-plc-swd-dil-swd-function-element-dimensions-002.eps eaton-manual-motor-starters-function-dil-swd-function-element-3d-drawing.eps

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATA:	

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