Specyfikacje

Eaton 199910

Eaton Moeller® series P1 Main switch, 40 A, surface mounting, 3 pole, 1 N/O, 1 N/C, Emergency switching off function, With red rotary handle and yellow locking ring, Lockable in the 0 (Off) position

General specifications	
PRODUCT NAME	Eaton Moeller® series P1 Main switch
CATALOG NUMBER	199910
EAN	4015082953232
PRODUCT LENGTH/DEPTH	115 mm
PRODUCT HEIGHT	180 mm
PRODUCT WIDTH	100 mm
PRODUCT WEIGHT	0.596 kg
COMPLIANCES	UKCA CE
CERTIFICATIONS	IEC/EN 60947 IEC/EN 60947-3 IEC/EN 60204
CATALOG NOTES	Rated Short-time Withstand Current (Icw) for a time of 1 second
MODEL CODE	P1-40/I2/SVB/HI11

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Cechy i funkcje

ENCLOSURE MATERIAL	Polycarbonate
FEATURES	Version as main switch Version as maintenance-/service switch Version as emergency stop installation
FITTED WITH:	Red rotary handle and yellow locking ring
FUNCTIONS	Emergency switching off function Interlockable
LOCKING FACILITY	Lockable in the 0 (Off) position
NUMBER OF POLES	3

Parametry ogólne

ACCESSORIES	Auxiliary contact or neutral conductor fitted by user.
DEGREE OF PROTECTION	IP65
DEGREE OF PROTECTION (FRONT SIDE)	IP65
LIFESPAN, MECHANICAL	300,000 Operations
MOUNTING METHOD	Surface mounting
MOUNTING POSITION	As required
OPERATING FREQUENCY	50 Operations/h
OVERVOLTAGE CATEGORY	III
POLLUTION DEGREE	3
PRODUCT CATEGORY	Main switch
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V AC
SAFE ISOLATION	440 V AC, Between the contacts, According to EN 61140
SHOCK RESISTANCE	15 g, Mechanical, According to IEC/EN 60068-2-27, Half-sinusoidal shock 20 ms
SWITCHING ANGLE	90 °

Klimatyczne warunki środowiskowe

AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT OPERATING TEMPERATURE - MAX	40 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MIN	-25 °C
AMBIENT OPERATING TEMPERATURE (ENCLOSED) - MAX	40 °C
CLIMATIC PROOFING	Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30

Pojemność zacisków

TERMINAL CAPACITY	1 x (1 - 4) mm^2, flexible with ferrules to DIN 46228 2 x (1 - 4) mm^2, flexible with ferrules to DIN 46228 1 x 10 mm^2 with fork terminal 2 x 10 mm^2 with fork terminal
SCREW SIZE	M4, Terminal screw
TIGHTENING TORQUE	1.6 Nm, Screw terminals

Parametry elektryczne

RATED BREAKING CAPACITY AT 400/415 V (COS PHI TO IEC 60947-3)	290 kA
RATED BREAKING CAPACITY AT 660/690 V (COS PHI TO IEC 60947-3)	130 kA
RATED OPERATIONAL CURRENT (IE) AT AC-3, 220 V, 230 V, 240 V	30 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 380 V, 400 V, 415 V	30 A
RATED OPERATIONAL CURRENT (IE) AT AC-3, 660 V, 690 V	17 A
RATED OPERATIONAL CURRENT (IE) AT AC-21, 440 V	40 A
RATED OPERATIONAL CURRENT (IE) AT AC-23A, 230 V	40 A
RATED OPERATIONAL CURRENT (IE) AT AC-23A, 400 V, 415 V	40 A
RATED OPERATIONAL CURRENT (IE) AT AC-23A, 690 V	20 A
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	15 kW
RATED OPERATIONAL POWER AT AC-3, 415 V, 50 HZ	15 kW
RATED OPERATIONAL POWER AT AC-3, 690 V, 50 HZ	15 kW
RATED OPERATIONAL POWER AT AC-23A, 220/230 V, 50 HZ	11 kW
RATED OPERATIONAL POWER AT AC-23A, 400 V, 50 HZ	22 kW
RATED OPERATIONAL POWER AT AC-23A, 690 V, 50 HZ	18.5 kW
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	690 V

Wytrzymałość zwarciowa

RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	80 kA
RATED SHORT-TIME WITHSTAND CURRENT (ICW)	0.64 kA 640 A, Contacts, 1 second
SHORT-CIRCUIT PROTECTION RATING	50 A gG/gL, Fuse, Contacts

RATED UNINTERRUPTED CURRENT (IU)	40 A
UNINTERRUPTED CURRENT	Rated uninterrupted current Iu is specified for max. cross-section.

Zdolność łączeniowa

LOAD RATING	1.3 x I_e (with intermittent operation class 12, 60 % duty factor) 1.6 x I_e (with intermittent operation class 12, 40 % duty factor) 2 x I_e (with intermittent operation class 12, 25 % duty factor)

Styki

CONTROL CIRCUIT RELIABILITY	1 failure per 100,000 switching operations statistically determined, at 24 V DC, 10 mA)
NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	1
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	1

Uruchamianie

ACTUATOR COLOR	Red
ACTUATOR TYPE	Door coupling rotary drive

Weryfikacja projektu

EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	3.5 W
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	40 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	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	Meets the product

INSUL. MAT. TO ABNORMAL HEAT/FIRE BY INTERNAL ELECT. EFFECTS	standard's requirements.
10.2.4 RESISTANCE TO ULTRA-VIOLET (UV) RADIATION	UV resistance only in connection with protective shield.
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 FUNCTION	The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Do pobrania

DEKLARACJE ZGODNOŚCI	eaton-main-switch-declaration-of-conformity-eu250808en.pdf
INSTRUKCJE MONTAŻU	eaton-switch-discon-p1-insulated-enclosure-il03802001z.pdf
MODELE ECAD	ETN.199910.edz

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATA:	

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