Eaton 1314056

Eaton DMM Switch-disconnector, DMM, 40 A, 3P + N (solid), With black rotary handle and drive shaft, Vertical connection

PRODUCT NAME	Eaton DMM Switch-disconnector
CATALOG NUMBER	1314056
PRODUCT LENGTH/DEPTH	146 mm
PRODUCT HEIGHT	74 mm
PRODUCT WIDTH	84 mm
PRODUCT WEIGHT	0.63 kg
CERTIFICATIONS	CE IEC/EN 60204 IEC/EN 60947-3 RoHS Lloyds VDE 0660 IEC/EN 60947 KEMA EAC

Powering Business Worldwide

PRODUCT CATEGORY	• Main switch • Switch-disconnector
FEATURES	Version as maintenance-/service switch Version as main switch
ACTUATOR COLOR	Black
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.
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.
10.2.5 LIFTING	Does not apply, since the entire switchgear needs to be evaluated.

DECLARATIONS OF CONFORMITY	eaton-switch-disconnector-declaration-of-conformity-uk251109en.pdf
	IL008025ZU
	eaton-rotary-switches-dmm-switch-disconnector-wiring-diagram-002.eps eaton-rotary-switches-main-switch-dmm-switch-disconnector-wiring-diagram.eps
	eaton-rotary-switches-dmm-switch-disconnector-dimensions-004.eps

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.
FITTED WITH:	Black rotary handle and drive shaft
POLLUTION DEGREE	3
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	6000 V
RATED PERMANENT CURRENT AT AC-21, 400 V	40 A
RATED PERMANENT CURRENT AT AC-23, 400 V	40 A
RATED UNINTERRUPTED CURRENT (IU)	40 A
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT PVS	0 W
STRIPPING LENGTH (MAIN CABLE)	14 mm
SWITCHING POWER AT 400 V	0 kW

ACCESSORIES	Auxiliary contact fitted by user.
DEVICE CONSTRUCTION	Built-in device fixed built-in technique
RATED SHORT-TIME WITHSTAND CURRENT (ICW)	1 kA, Contacts, 1 second 1 kA
ELECTRICAL CONNECTION TYPE OF MAIN CIRCUIT	Screw connection
MOUNTING POSITION	As required
ACTUATOR TYPE	Short thumb-grip
AMBIENT OPERATING TEMPERATURE - MAX	55 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
AMBIENT STORAGE TEMPERATURE - MAX	80 °C
AMBIENT STORAGE TEMPERATURE - MIN	-30 °C
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT PVID	0.6 W
HEAT DISSIPATION CAPACITY PDISS	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT PVID	4 W
NUMBER OF AUXILIARY CONTACTS (CHANGE-OVER CONTACTS)	0
NUMBER OF AUXILIARY CONTACTS (NORMALLY CLOSED CONTACTS)	0
RATED CONDITIONAL SHORT-CIRCUIT CURRENT (IQ)	50 kA at In = 80 100 kA
OVERVOLTAGE CATEGORY	III
BREAKING CURRENT	9.7 kA (at In = 80) 9.6 kA (at In = 50)
DEGREE OF PROTECTION (FRONT SIDE)	IP20
NUMBER OF POLES	Three-pole + N
CONNECTION TYPE	Vertical
MOUNTING METHOD	Surface mounting
DEGREE OF PROTECTION	NEMA Other

SUITABLE FOR	Distribution board installation Ground mounting
LOCKING FACILITY	Lockable in the 0 (Off) position
NUMBER OF SWITCHES	1
LIFESPAN, MECHANICAL	8,500 Operations
LET-THROUGH ENERGY	Max. 44 kA^2s (at In = 80) Max. 10 kA^2s (at In = 50)
TERMINAL CAPACITY	2.5 - 16 mm^2, solid 1.5 - 25 mm^2, flexible with ferrules to DIN 46228
SAFETY PARAMETER (EN ISO 13849-1)	B10d values as per EN ISO 13849-1, table C.1
NUMBER OF AUXILIARY CONTACTS (NORMALLY OPEN CONTACTS)	0
RATED BREAKING CAPACITY AT 400/415 V (COS PHI TO IEC 60947-3)	320 A
RATED BREAKING CAPACITY AT 500 V (COS PHI TO IEC 60947-3)	264 A
RATED BREAKING CAPACITY AT 660/690 V (COS PHI TO IEC 60947-3)	200 A
RATED INSULATION VOLTAGE (UI)	1000 V
RATED OPERATING VOLTAGE (UE) - MAX	690 V
RATED OPERATING VOLTAGE (UE) - MIN	690 V
RATED OPERATIONAL VOLTAGE (UE) AT AC - MAX	690 V
RATED OPERATIONAL CURRENT (IE) AT AC-21, 400 V, 415 V	40 A
SHORT-CIRCUIT PROTECTION RATING	80/50, Fuse, Contacts
RATED OPERATIONAL CURRENT (IE) AT AC-21, 500 V	40 A
RATED OPERATIONAL CURRENT (IE) AT AC-21, 690 V	40 A
RATED OPERATIONAL CURRENT (IE) AT AC-22, 380 V, 400 V, 415 V	40 A

RATED OPERATIONAL CURRENT (IE) AT AC-22, 500 V	40 A
RATED OPERATIONAL CURRENT (IE) AT AC-22, 690 V	40 A
RATED OPERATIONAL CURRENT (IE) AT AC-23A, 400 V, 415 V	40 A
RATED OPERATIONAL CURRENT (IE) AT AC-23A, 500 V	33 A
RATED OPERATIONAL CURRENT (IE) AT AC-23A, 690 V	25 A
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	40 A
RATED OPERATIONAL POWER AT AC-23A, 400 V, 50 HZ	22 kW
RATED OPERATIONAL POWER AT AC-23A, 500 V, 50 HZ	22 kW
RATED OPERATIONAL POWER AT AC-23A, 690 V, 50 HZ	22 kW
RATED OPERATIONAL POWER AT AC-3, 380/400 V, 50 HZ	0 kW
UNINTERRUPTED CURRENT	Rated uninterrupted current Iu is specified for max. cross-section.
WIDTH IN NUMBER OF MODULAR SPACINGS	4
HOUSING MATERIAL	Plastic

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
:	

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