Specifications



Eaton 262704

Eaton Moeller series xPole - PL7 MCB. Miniature circuit breaker (MCB), 16 A, 1p, characteristic: C

General specifications	
PRODUCT NAME	Eaton Moeller series xPole - PL7 MCB
CATALOG NUMBER	262704
MODEL CODE	PL7-C16/1
EAN	4015082627041
PRODUCT LENGTH/DEPTH	71 mm
PRODUCT HEIGHT	82 mm
PRODUCT WIDTH	17.6 mm
PRODUCT WEIGHT	0.12 kg
COMPLIANCES	RoHS compliant
CERTIFICATIONS	IEC/EN 60898-1
GLOBAL CATALOG	262704
PRODUCT TYPE	MCB

Product specifications

AMPERAGE RATING	16 A
VOLTAGE RATING	• 230 V AC • 240 V AC
FEATURES	Can be fitted with auxiliary accessories
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.
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	Does not apply, since the entire switchgear needs to be

Resources

CATALOGS	eaton-xpole-accessories-ca019015en-en-us.pdf eaton-xpole-protective-devices-catalog-ca019014en-en-us.pdf
DECLARATIONS OF CONFORMITY	eaton-mcb-declaration-of-conformity-eu250401en.pdf
INSTALLATION INSTRUCTIONS	eaton-mcb-rccb-rcbo-g9-il019140zu.pdf
MCAD MODEL	eaton-non-selective-universal-mcb-mcad-3d-models-faz-xxx-1p.stp
PEP ECO-PASSPORT	eaton-non-selective-universal-mcb-pep-eato-00046-v0102-en.pdf

AND COMPONENTS	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.
FRAME	45 mm
POLLUTION DEGREE	2
LIFESPAN, MECHANICAL	>10000 operating cycles
MOUNTING METHOD	Two lock-in position on DIN rail (EN/IEC 60715)
DEGREE OF PROTECTION	IP20
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4 kV
FUNCTIONAL GROUP	Overcurrent protection
BUSBAR MATERIAL THICKNESS	0.8 mm - 2 mm
TERMINAL PROTECTION	Touch-safe (EN 50274)
TERMINALS (TOP AND BOTTOM)	Screw-type with pressure plate
TRIPPING CHARACTERISTIC	C
AMBIENT OPERATING TEMPERATURE - MAX	75 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
BUILT-IN DEPTH	65.5 mm
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX	25 mm²
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN	1 mm²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	25 mm²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	1 mm²
CURRENT LIMITING CLASS	3
FREQUENCY RATING - MAX	60 Hz

FREQUENCY RATING - MIN	50 Hz
INTERNAL RESISTANCE AT ROOM TEMPERATURE (SINGLE-POLE, 50 HZ)	7.9 mΩ
NOMINAL CURRENT	16 A
DIRECTION OF INCOMING SUPPLY	Bidirectional
VOLTAGE RATING (IEC/EN 60898-1)	240 VAC
WIDTH IN NUMBER OF MODULAR SPACINGS	1
VOLTAGE TYPE	AC
CONTACT POSITION INDICATOR COLOR	Red = ON Green = OFF
MOUNTING POSITION	As required
OVERVOLTAGE CATEGORY	III
NUMBER OF POLES	Single-pole
FUNCTIONS	Overload protection Short Circuit protection
LIFESPAN, ELECTRICAL	>4000 operating cycles
RELEASE CHARACTERISTIC	C
TYPE	• Miniature circuit breaker • PL7
APPLICATION	Protection of final circuits in residential, commercial and similar installations
MOUNTING WIDTH	17.7 mm
SELECTIVITY CLASS	3
MOUNTING WIDTH PER POLE	17.7 mm
NUMBER OF POLES (PROTECTED)	1
NUMBER OF POLES (TOTAL)	1
RATED INSULATION VOLTAGE (UI)	440 V
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	16 A
RATED OPERATIONAL VOLTAGE (UE) - MAX	240 V
RATED SERVICE SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1) - ICS	7.5 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1) - ICN AT 230 V	10 kA
RATED SWITCHING	10 kA

CAPACITY (IEC/EN 60898-1)	
TIGHTENING TORQUE	2.4 Nm
POWER LOSS	2.2 W

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:

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