

Specifications



Eaton EP-501051

HLN-B16/1N . Miniature circuit breaker (MCB), 16 A, 1p+N, characteristic: B

General specifications

PRODUCT NAME	Eaton Moeller series xEffect - FAZ-DC MCB
CATALOG NUMBER	EP-501051
MODEL CODE	HLN-B16/1N
EAN	9010653033363
PRODUCT LENGTH/DEPTH	80 mm
PRODUCT HEIGHT	75 mm
PRODUCT WIDTH	17.5 mm
PRODUCT WEIGHT	0.122 kg
COMPLIANCES	CE Marked RoHS conform
GLOBAL CATALOG	EP-501051

Product specifications

AMPERAGE RATING	16 A
VOLTAGE RATING	230 V AC
FREQUENCY RATING	50/60 Hz
POLLUTION DEGREE	2
DEGREE OF PROTECTION	IP20
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	2.8 W
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4 kV
AMBIENT OPERATING TEMPERATURE - MAX	75 °C
AMBIENT OPERATING TEMPERATURE - MIN	-25 °C
BUILT-IN DEPTH	70.5 mm
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MAX	25 mm ²
CONNECTABLE CONDUCTOR CROSS SECTION (MULTI-WIRED) - MIN	1 mm ²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MAX	25 mm ²
CONNECTABLE CONDUCTOR CROSS SECTION (SOLID-CORE) - MIN	1 mm ²
CURRENT LIMITING CLASS	3
FREQUENCY RATING - MAX	60 Hz
FREQUENCY RATING - MIN	50 Hz
HEAT DISSIPATION CAPACITY	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	0 W
WIDTH IN NUMBER OF MODULAR SPACINGS	1
VOLTAGE TYPE	AC

Resources

BROCHURES	eaton-pdd-railrolling-stock-brochure-br011002en-en-us.pdf
CATALOGS	eaton-xeffect-faz-dc-mcb-catalog-ca003030en-en-us.pdf
CHARACTERISTIC CURVE	eaton-xeffect-faz-dc-mcb-characteristic-curve-003.jpg eaton-xeffect-faz-dc-mcb-characteristic-curve-004.jpg
DECLARATIONS OF CONFORMITY	DA-DC-03_PLN
DRAWINGS	eaton-xeffect-faz-dc-mcb-dimensions-005.jpg eaton-xeffect-faz-dc-mcb-3d-drawing.jpg
INSTALLATION INSTRUCTIONS	eaton-rccb-rcbo-g9-il019140zu.pdf
MCAD MODEL	faz_pn_1pn.dwg faz_pn_1pn.stp
PEP ECO-PASSPORT	EATO-00058-V01.01-EN
WIRING DIAGRAMS	eaton-xeffect-faz-dc-mcb-wiring-diagram-003.jpg

OVERVOLTAGE CATEGORY	III
NUMBER OF POLES	Single-pole + N
RELEASE CHARACTERISTIC	B
TYPE	Miniature circuit breaker
SPECIAL FEATURES	linear, per +1 °C, results in a 0.5% reduction of current carrying capacity
NUMBER OF POLES (PROTECTED)	1
NUMBER OF POLES (TOTAL)	2
RATED INSULATION VOLTAGE (UI)	440 V
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	16 A
RATED OPERATIONAL VOLTAGE (UE) - MAX	230 V
RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60898) AT 230 V	4.5 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (EN 60898) AT 400 V	4.5 kA
RATED SWITCHING CAPACITY (IEC/EN 60898-1)	4.5 kA
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT	0 W

PROJECT NAME:
PROJECT NUMBER:
PREPARED BY:
DATE:



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