Specifications



Eaton EP-501048

HLN-B6/1N . Miniature circuit breaker (MCB), 6 A, 1p+N, characteristic: B

General specifications	
PRODUCT NAME	Eaton Moeller series xEffect - FAZ-DC MCB
CATALOG NUMBER	EP-501048
MODEL CODE	HLN-B6/1N
EAN	9010653033332
PRODUCT LENGTH/DEPTH	80 mm
PRODUCT HEIGHT	75 mm
PRODUCT WIDTH	17.5 mm
PRODUCT WEIGHT	0.113 kg
COMPLIANCES	RoHS conform CE Marked
GLOBAL CATALOG	EP-501048
PRODUCT TYPE	MCB

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Product specifications

AMPERAGE RATING	6 A
VOLTAGE RATING	230 V AC
FREQUENCY RATING	50/60 Hz
POLLUTION DEGREE	2
DEGREE OF PROTECTION	IP20
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	1.7 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 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
HEAT DISSIPATION CAPACITY	0 W
HEAT DISSIPATION PER POLE, CURRENT-DEPENDENT	0 W
WIDTH IN NUMBER OF MODULAR SPACINGS	1
VOLTAGE TYPE	AC
OVERVOLTAGE CATEGORY	III
NUMBER OF POLES	Single-pole + N

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	eaton-mcb-declaration-of-conformity-eu250324en.pdf
DRAWINGS	eaton-xeffect-faz-dc-mcb-dimensions-005.jpg eaton-xeffect-faz-dc-mcb-3d-drawing-002.jpg
INSTALLATION INSTRUCTIONS	eaton-rccb-rcbo-g9-il019140zu.pdf
MCAD MODEL	faz_pn_1pn.stp faz_pn_1pn.dwg
PEP ECO-PASSPORT	eaton-non-selective-universal-mcb-pep-eato-00058-v0101-en.pdf
WIRING DIAGRAMS	eaton-xeffect-faz-dc-mcb-wiring-diagram-003.jpg

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)	6 A
RATED OPERATIONAL VOLTAGE (UE) - MAX	230 V
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1) - ICN AT 230 V	4.5 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1)- ICN AT 400 V	4.5 kA
RATED SWITCHING CAPACITY (IEC/EN 60898-1)	4.5 kA
RATED SWITCHING CAPACITY (IEC/EN 60947-2)	9999999 kA
STATIC HEAT DISSIPATION, NON-CURRENT-DEPENDENT	0 W

PROJECT NAME:	
PROJECT NUMBER:	
PREPARED BY:	
DATE:	

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