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Eaton 182133

FAZ-B40/1-AS. Miniature circuit breaker (MCB), 40 A, 1p, characteristic: B, AS

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PRODUCT NAME	Eaton Moeller series xEffect - FAZ MCB
CATALOG NUMBER	182133
PRODUCT LENGTH/DEPTH	85 mm
PRODUCT HEIGHT	73 mm
PRODUCT WIDTH	17.7 mm
PRODUCT WEIGHT	0.11 kg
COMPLIANCES	RoHS conform



Powering Business Worldwide

USED WITH

Auxiliary switch: FAZ-XHIN... (286054, 289055), ZP-IHK/WHK (286052, 286053)
 Trip signal switch: FAZ-XAM002 (262414), ZP-NHK (248437)
 Shunt trip release: ZP-ASA... (248438, 248439), FAZ-XAA...(278518, 278519)
 Undervoltage release: FAZ-XUA... (212049, 212051, 212053), Z-US..(258288, 248289, 248290, 248292, 248291)
 Switching interlock: Z-IS/SPE-1TE (274418)
 Terminal cover: Z-TC/...(178102, 178099, 178100, 178101)

AMPERAGE RATING	40 A
FEATURES	Additional equipment possible
FRAME	45 mm
POLLUTION DEGREE	2
LIFESPAN, MECHANICAL	Min. 10000 operating cycles
DEGREE OF PROTECTION	IP20 IP40 IP20 (surface mounted) IP40 (Built-in behind panel)
EQUIPMENT HEAT DISSIPATION, CURRENT-DEPENDENT	3.4 W
RATED IMPULSE WITHSTAND VOLTAGE (UIMP)	4 kV
TRIPPING CHARACTERISTIC	B
VOLTAGE RATING (UL CSA 13)	277 V AC; 60 V DC
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
ENCLOSURE WIDTH	80 mm
FREQUENCY RATING - MAX	60 Hz
FREQUENCY RATING - MIN	50 Hz
INTERNAL RESISTANCE AT ROOM TEMPERATURE (SINGLE-POLE, 50 HZ)	1.9 mΩ
DIRECTION OF INCOMING SUPPLY	As required
VOLTAGE RATING (IEC/EN 60898-1)	240 VAC
WIDTH IN NUMBER OF MODULAR SPACINGS	1
VOLTAGE RATING (IEC/EN 60947-2)	230 V AC
VOLTAGE RATING (UL)	277 V
VOLTAGE RATING AT DC	60 V DC (per pole)
VOLTAGE TYPE	AC
CONTACT POSITION INDICATOR COLOR	Red / green
MOUNTING POSITION	As required
OVERVOLTAGE CATEGORY	III
NUMBER OF POLES	Single-pole
FUNCTIONS	Current limiting circuit breaker Overcurrent protection Short-circuit protection
LIFESPAN, ELECTRICAL	Min. 4000 operating cycles
TYPE	Miniature circuit breaker
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
OPERATIONAL SWITCHING CAPACITY	7.5 kA
OPERATIONAL VOLTAGE (IEC/EN 60947-2) - MAX	254 VAC
OPERATIONAL VOLTAGE AT DC (EC/EN 60947-2) - MAX	60 V
RATED INSULATION VOLTAGE (UI)	440 V
RATED OPERATIONAL CURRENT FOR SPECIFIED HEAT DISSIPATION (IN)	40 A
RATED OPERATIONAL VOLTAGE (UE) - MAX	254 V
RATED SERVICE SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1) - ICS	7.5 kA
RATED SERVICE SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60947-2) - ICS	7.5 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC/EN 60898-1) - ICN AT 230 V	10 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)- ICU AT 230 V	15 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)- ICU AT 400 V	15 kA
RATED SHORT-CIRCUIT BREAKING CAPACITY (IEC 60947-2)- ICU AT MAX VOLTAGE	10 kA
TERMINAL CAPACITY	1 mm ² - 25 mm ²
TERMINAL CAPACITY OF SCREW TERMINALS FOR MAIN CABLE	25 mm ² (1x) 10 mm ² (2x)
TIGHTENING TORQUE	Max. 2.4 Nm
POWER LOSS	3.4 W

