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Powering Business Worldwide

FLSM-B25/2-MW - Miniature circuit breaker (MCB), 25 A, 2p, characteristic: B



242381 FLSM-B25/2-MW

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242381 PLSM-B25/2-MW

Miniature circuit breaker (MCB), 25 A, 2p, characteristic: B

EL-Nummer (Norway)

1609115

Miniature circuit breaker (MCB), FLSM 2 pole, tripping characteristic: B, rated current I_n: 25 A, rated switching capacity according to IEC/EN 60898-1: 10 kA, Switchgear for residential and commercial applications

Delivery program

Basic function
Miniature circuit-breakers
Number of poles
2 pole
Tripping characteristic
B
Application
Switchgear for residential and commercial applications
Rated current [I_n]
25 A
Rated switching capacity according to IEC/EN 60898-1 [I_{cn}]
10 kA
Product range
FLSM

Technical data

Electrical
Rated switching capacity according to IEC/EN 60898-1 [I_{cn}]
10 kA

Design verification as per IEC/EN 61439

Technical data for design verification
Rated operational current for specified heat dissipation [I_n]
25 A
Heat dissipation per pole, current-dependent [P_{id}]
0 W
Equipment heat dissipation, current-dependent [P_{id}]
6.4 W
Static heat dissipation, non-current-dependent [P_s]
0 W
Heat dissipation capacity [P_{diss}]
0 W
Operating ambient temperature min.
-25 °C
Operating ambient temperature max.
+75 °C
linear, per +1 °C, results in a 0.5% reduction of current carrying capacity
IEC/EN 61439 design verification
10.2 Strength of materials and parts 10.2.2 Corrosion resistance

Meets the product standard's requirements.
 10.2 Strength of materials and parts 10.2.3.1 Verification of thermal stability of enclosures
 Meets the product standard's requirements.
 10.2 Strength of materials and parts 10.2.3.2 Verification of resistance of insulating materials to normal heat
 Meets the product standard's requirements.
 10.2 Strength of materials and parts 10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects
 Meets the product standard's requirements.
 10.2 Strength of materials and parts 10.2.4 Resistance to ultra-violet (UV) radiation
 Meets the product standard's requirements.
 10.2 Strength of materials and parts 10.2.5 Lifting
 Does not apply, since the entire switchgear needs to be evaluated.
 10.2 Strength of materials and parts 10.2.6 Mechanical impact
 Does not apply, since the entire switchgear needs to be evaluated.
 10.2 Strength of materials and parts 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 Insulation properties 10.9.2 Power-frequency electric strength
 Is the panel builder's responsibility.
 10.9 Insulation properties 10.9.3 Impulse withstand voltage
 Is the panel builder's responsibility.
 10.9 Insulation properties 10.9.4 Testing of enclosures made of insulating material
 Is the panel builder's responsibility.
 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.

Technical data ETIM 7.0

Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)
 Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (eci@ss10.0.1-27-14-19-01 [AAB905014])
 Release characteristic
 B
 Number of poles (total)
 2
 Number of protected poles
 2
 Rated current
 25 A
 Rated voltage
 400 V
 Rated insulation voltage U_i
 440 V
 Rated impulse withstand voltage U_{imp}
 4 kV
 Rated short-circuit breaking capacity I_{cn} EN 60898 at 230 V
 10 kA
 Rated short-circuit breaking capacity I_{cn} EN 60898 at 400 V
 10 kA
 Rated short-circuit breaking capacity I_{cu} IEC 60947-2 at 230 V
 0 kA
 Rated short-circuit breaking capacity I_{cu} IEC 60947-2 at 400 V
 0 kA
 Voltage type
 AC
 Frequency
 50 - 60 Hz
 Current limiting class
 3
 Suitable for flush-mounted installation
 No
 Concurrently switching N-neutral
 No
 Over voltage category
 3
 Pollution degree
 2
 Additional equipment possible
 Yes
 Width in number of modular spacings
 2

Built-in depth
70.5 mm
Degree of protection (IP)
IP20
Ambient temperature during operating
-25 - 55 °C
Connectable conductor cross section multi-wired
1 - 25 mm²
Connectable conductor cross section solid-core
1 - 25 mm²

CAD data

- [3D Preview](#)
(Web)

Product photo



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Miniature circuit breaker (MCB)

Product photo

Photo

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