DATASHEET - FAZT-B3/1

Miniature circuit breaker (MCB), 3 A, 1p, characteristic: B



Part no.FAZT-B3/1Catalog No.240772Alternate CatalogFAZT-B3/1No.EL-Nummer1605553(Norway)



Similar to illustration

Delivery program

| Basic function | | | Miniature circuit-breakers |
|---|-----------------|----|--|
| Number of poles | | | 1 pole |
| Tripping characteristic | | | В |
| Application | | | Switchgear for industrial and advanced commercial applications |
| Rated current | In | А | 3 |
| Rated switching capacity acc. to IEC/EN 60947-2 | l _{cu} | kA | 25 |
| Product range | | | FAZ-T |
| | I _{cu} | kA | |

Technical data

| Electrical | | | |
|---|-----------------|-----------------|---|
| Standards | | | IEC/EN 60947-2 |
| Rated voltage according to IEC/EN 60947-2 | Un | V AC | 240 |
| Rated switching capacity acc. to IEC/EN 60947-2 | I _{cu} | kA | 25 |
| Rated service short-circuit breaking capacity according to IEC/EN 60947-2 | I _{cs} | | 12,5 kA |
| Max operational voltage according to IEC/EN 60947-2 | | V AC | 254 |
| Rated switching capacity according to IEC/EN 60947-2 (max operational voltage) | l _{cu} | kA | 15 |
| Rated service short-circuit breaking capacity according to IEC/EN 60947-2 (max operational voltage) | I _{cs} | | 7,5 kA |
| Max operational voltage DC according to IEC/EN 60947-2 | | V DC | 60/pole |
| Rated voltage according to IEC/EN 60898-1 | Un | V AC | 240 |
| Rated switching capacity according to IEC/EN 60898-1 | I _{cn} | kA | 15 |
| Rated service short-circuit breaking capacity according to IEC/EN 60898-1 | I _{cs} | | 7,5 kA |
| Rated insulation voltage | Ui | V | 440 |
| Rated frequency | f | Hz | 50/60 |
| Characteristic | | | B, C, D |
| Direction of incoming supply | | | as required |
| lifespan | | | |
| Electrical | Operations | | ≧ 4000 |
| Mechanical | Operations | | ≧ 10000 |
| Mechanical | | | |
| Standard front dimension | | mm | 45 |
| Enclosure height | | mm | 80 |
| Mounting width per pole | | mm | 17.5 |
| Mounting | | | Quick attachment with 3 latch positions for top-hat rail IEC/EN 60715 |
| Degree of Protection | | | IP20 |
| Terminals top and bottom | | | Twin-purpose terminals |
| Terminal protection | | | Finger- and back-of-hand proof according to BGV A3 and ÖVE-EN 6 |
| Terminal capacities | | mm ² | 1 - 25 |
| Tightening torque of fixing screws | | N/m | max. 2.4 |
| Thickness of busbar material | | mm | 0.8 (exept N 0.5 SU) |
| Mounting position | | | As required |
| | | | |

| 10.11 Short-circuit rating Is the panel builder's responsibility. The specifications for the switchgear must observed. 10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear must observed. | echnical data for design verification | | | |
|--|--|-------------------|----|--|
| Equipment heat dissipation, curvent-dependent Poil Weil Static heat dissipation, non-current-dependent Price Weil Output displation, non-current-dependent Price Output displation, non-current dependent | Rated operational current for specified heat dissipation | I _n | А | 3 |
| Natio that dissipation, non-current-dependent Pain West Heat dissipation capacity Pains West 0 Operating ambient temperature min. "C 40 Operating ambient temperature max. "C 40 VEX 61439 design verification To mean, per +1 °C, results in a 0.5% reduction of current carrying capacity 102.2 Strongth of materials and parts Meets the product standard's requirements. 102.3 Verification of resistance Meets the product standard's requirements. 102.3 Verification of resistance of insulating materials to abnormal heat Meets the product standard's requirements. 102.4 Verification of resistance of insulating materials to abnormal heat Meets the product standard's requirements. 102.3 Verification of resistance of insulating materials to abnormal heat Meets the product standard's requirements. 102.4 Resistance to ultra-violet (WI redutation Meets the product standard's requirements. 103.2 Verification against electric effects Des not apply, since the entire switchgar needs to be evaluated. 102.5 Interport Meets the product standard's requirements. 103.0 period grandee distances Standard's requirements. 104.0 Gearnor apply, since the entire switchgar needs to be evaluated. | Heat dissipation per pole, current-dependent | P _{vid} | W | 0 |
| Heat dissipation capacity Peak W Operating ambient temperature min. * | Equipment heat dissipation, current-dependent | P _{vid} | W | 2.5 |
| Operating ambient temperature min. Operating ambient temperature max. Image model Image | Static heat dissipation, non-current-dependent | P _{vs} | W | 0 |
| Operating ambient temperature max. PC 7 CEN 61498 design verification inser, per +1°C, results in a 0.5% reduction of current carrying capacity 10.2 Strength of materials and parts inser, per +1°C, results in a 0.5% reduction of current carrying capacity 10.2.2 Corrosion resistance Meets the product standard's requirements. 10.2.3.1 Verification of the insulating materials to normal heat Meets the product standard's requirements. 10.2.3.2 Verification of resistance of insulating materials to abnormal heat Meets the product standard's requirements. 10.2.3.3 Verification of resistance of insulating materials to abnormal heat Meets the product standard's requirements. 10.2.4 Meets the ut ut -violet (UV) radiation Meets the product standard's requirements. 10.2.5 Mechanical inpact Meets the product standard's requirements. 10.3.2 Merification 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 of ASSEMBLIES Does not apply, since the entire switchgear needs to be evaluated. 10.6 Accornation is solucing davices and components Des not apply, since the entire switchgear needs to be evaluated. 10.5 Accornation is solucing davices and components Enthe panel builder | Heat dissipation capacity | P _{diss} | W | 0 |
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| | 10.12 Electromagnetic compatibility | | | Is the panel builder's responsibility. The specifications for the switchgear mus 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

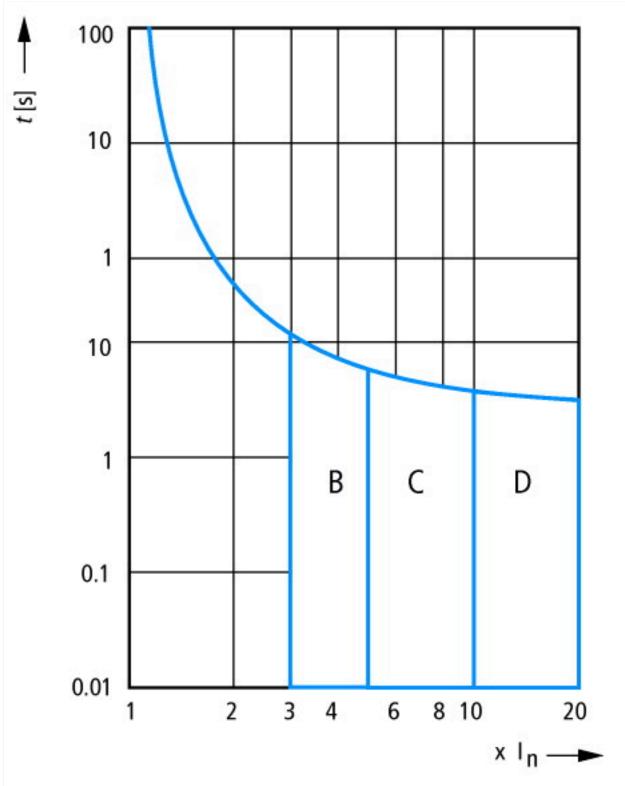
Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss10.0.1-27-14-19-01 [AAB905014])

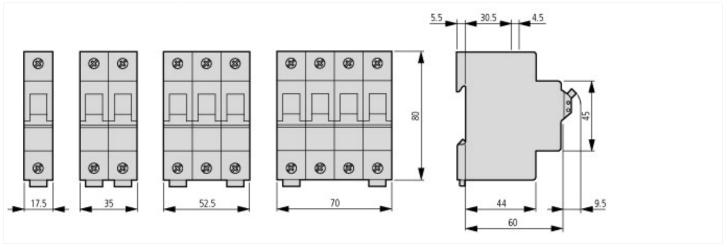
| Release characteristic | | В |
|--|----|---------|
| Number of poles (total) | | 1 |
| Number of protected poles | | 1 |
| Rated current | А | 3 |
| Rated voltage | V | 240 |
| Rated insulation voltage Ui | V | 440 |
| Rated impulse withstand voltage Uimp | kV | 4 |
| Rated short-circuit breaking capacity Icn EN 60898 at 230 V | kA | 15 |
| Rated short-circuit breaking capacity Icn EN 60898 at 400 V | kA | 15 |
| Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V | kA | 25 |
| Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V | kA | 25 |
| Voltage type | | AC |
| Frequency | Hz | 50 - 60 |

| 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 | | 1 |
| Built-in depth | mm | 70.5 |
| Degree of protection (IP) | | IP20 |
| Ambient temperature during operating | °C | -25 - 75 |
| Connectable conductor cross section multi-wired | mm² | 1 - 25 |
| Connectable conductor cross section solid-core | mm² | 1 - 25 |

Characteristics



Dimensions



Additional product information (links)

Temperature dependency, derating

https://www.eaton.com/content/dam/eaton/technicaldocumentation/technical-data-tables/Derating table FAZ_T.pdf