## **DATASHEET - FAZ6-C2/1N**



Miniature circuit breaker (MCB), 2 A, 1p+N, characteristic: C, 6 kA

FAZ6-C2/1N Catalog No. 239056 Alternate Catalog FAZ6-C2/1N



Similar to illustration

## Design verification as per IEC/EN 61439

Part no.

No.

| 10.11 Short-circuit rating   Is the panel builder's responsibility. The specifications for the switchgear observed.     10.12 Electromagnetic compatibility   Is the panel builder's responsibility. The specifications for the switchgear observed.  |  |                  |   |  |
|---|--|------------------|---|--|
| Equipment heat dissipation, current-dependentPridWEEUEN 61439 design verificationFridW102 Strength of materials and partsMets the product standard's requirements.102.2 Corrosion resistanceInsulating materials to normal heat102.3.1 Verification of resistance of insulating materials to abnormal heatMets the product standard's requirements.102.3.2 Verification of resistance of insulating materials to abnormal heatMets the product standard's requirements.102.3.2 Verification of resistance of insulating materials to abnormal heatMets the product standard's requirements.102.4 Resistance to ultra-violet (UV) radiationMets the product standard's requirements.102.5 LiftingDoes not apply, since the entire switchgear needs to be evaluated.10.3 Degree of protection of ASSEMBLIESDoes not apply, since the entire switchgear needs to be evaluated.10.4 Clearances and creepage distancesMets the product standard's requirements.10.5 Protection against electric shockDoes not apply, since the entire switchgear needs to be evaluated.10.5 Incorporation of switching devices and componentsDoes not apply, since the entire switchgear needs to be evaluated.10.7 Internal electrical incuts and connectionsInternal electrical incuts and and are sponsibility.10.8 Dever-frequency electric strengthInternal electrical incuts and connections10.9 Dever-frequency electric strengthInternal electrical incuts and and are incut electrical and to the elevies.10.9 Dever-frequency electric strengthInternal electrical is the panel builder's responsibility.10.9 Dever-frequenc   | Technical data for design verification                                     |                  |   |  |
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| 10.10 Temperature rise   The panel builder is responsible for the temperature rise calculation. Eator provide heat dissipation data for the devices.     10.11 Short-circuit rating   Is the panel builder's responsibility. The specifications for the switchgear to observed.     10.12 Electromagnetic compatibility   Is the panel builder's responsibility. The specifications for the switchgear to observed.   | 10.9.3 Impulse withstand voltage   |                  |   | Is the panel builder's responsibility.   |
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| 10.12 Electromagnetic compatibility Is the panel builder's responsibility. The specifications for the switchgear observed.  | 10.10 Temperature rise   |                  |   | The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices. |
| observed.   | 10.11 Short-circuit rating   |                  |   | 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 instruc-   | 10.12 Electromagnetic compatibility  |                  |   | Is the panel builder's responsibility. The specifications for the switchgear must be observed.                                   |
| leaflet (IL) is 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]) |                               |   |  |  |  |
|---|-------------------------------|---|--|--|--|
|   | C                             |   |  |  |  |
|   | 2                             |   |  |  |  |
|   | 1                             |   |  |  |  |
| А   | 2                             |   |  |  |  |
| V   | 230                           |   |  |  |  |
| V   | 440                           |   |  |  |  |
| kV  | 4                             |   |  |  |  |
| kA  | 6                             |   |  |  |  |
| kA  | 6                             |   |  |  |  |
| kA  | 10                            |   |  |  |  |
|   | A<br>V<br>V<br>kV<br>kA<br>kA | C     2       1     1       A     2       V     230       V     440       KV     4       KA     6 |  |  |  |

| Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V | kA  | 10       |
|--|-----|----------|
| Voltage type   |     | AC       |
| Frequency  | Hz  | 50 - 60  |
| Current limiting class   |     | 3        |
| Suitable for flush-mounted installation                        |     | No       |
| Concurrently switching N-neutral                               |     | Yes      |
| Over voltage category  |     | 3        |
| Pollution degree   |     | 2        |
| Additional equipment possible                                  |     | Yes      |
| Width in number of modular spacings                            |     | 2        |
| 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   |

## Additional product information (links)

Temperature dependency, derating

https://www.eaton.com/content/dam/eaton/technicaldocumentation/technical-data-tables/Derating table FAZ6.pdf