



FAZ-C2/1 278549 FAZ-C2/1



Similar to illustration

Delivery program

| Basic function | | | Miniature circuit-breakers |
|---|----------------|----|--|
| Number of poles | | | 1 pole |
| Tripping characteristic | | | C |
| Application | | | Switchgear for industrial and advanced commercial applications |
| Rated current | I _n | А | 2 |
| Rated switching capacity acc. to IEC/EN 60947-2 | | kA | 15 |
| Product range | | | FAZ |

Technical data

| Refer of a constraint o | Electrical | | | |
|---|---|----------------|-----------------|---|
| No. VAC VAC VAC VAC VAC | Standards | | | |
| Index service of EQC (NO 60047-2)Index service | Rated operational voltage | U _e | V | |
| Retes witching capacity acc. to IEC/EN 6094-2 Image: Retes witching capacity | | U _e | V AC | 240/415 |
| Qerational switching capacityKaKaSCharacteristicAgU/G55Max back-up fuseAgU/G33Selectivity ClassNerror33Direction of incoming supplyNerror33Direction of incoming supplyNerror33Addaff for dimensionNerror33Enclosure heightNerror33Torinal protectionNerror33Monting supplyNerror33Mathematical supplyNerror33Mathemati | | | V DC | 60 (per pole) |
| CharacteristicResult< | Rated switching capacity acc. to IEC/EN 60947-2 | | kA | 15 |
| Max. back-up fuse AgLya AgLya Image: Constraint of the second of the | Operational switching capacity | | kA | 7.5 |
| Selectivity ClassFor all perationsImage: Selectivity ClassSelectivity Class | Characteristic | | | B, C, D |
| Liespan Operations >10000 Direction of incoming supply Servaired Servaired Mechanical servaired Servaired Standard front dimension Image Servaired Enclosure height Image Servaired Terminal protection Image Servaired back-of-hand proof to BGV A2 Mounting Image Image Servaired back-of-hand proof to BGV A2 Mounting Image Servaired back-of-hand proof to BGV A2 Mounting Image Servaired back-of-hand proof to BGV A2 Mounting Image Servaired back-of-hand proof to BGV A2 Terminal stop and bottom Image Servaired back-of-hand proof to BGV A2 Terminal capacities Image Servaired back-of-hand proof to BGV A2 Terminal capacities Image Servaired back-of-hand proof to BGV A2 Terminal capacities Image Servaired back-of-hand proof to BGV A2 Terminal capacities Image Servaired back-of-hand proof to BGV A2 Terminal capacities Image Servaired back-of-hand proof to BGV A2 Image Image Servaired back-of-hand proof to BGV A2 Image Image Servaired back-of-hand proof to BGV A2 Image Image Servaired back-of-hand proof to BGV A2 <td>Max. back-up fuse</td> <td></td> <td>A gL/gG</td> <td>125</td> | Max. back-up fuse | | A gL/gG | 125 |
| Direction of incoming supply Image: Sequired Mechanical Standard front dimension Mm 4 Enclosure height Mm 8 Terminal protection Mm Finer and back-of-hand proof to BGV A2 Mounting width per pole Mm 15. Mounting Mm 15. Degree of Protection Mm 120. Plo4 (when fitted) Terminal stop and bottom Mm 120. Plo4 (when fitted) Terminal capacities Mm 125. Inclosure of busbar material Mm 125. | Selectivity Class | | | 3 |
| Mechanical mm 45 Standard front dimension mm 6 mm 6< | Lifespan | Operations | | > 10000 |
| Standard front dimensionImmSEnclosure heightmm80Terminal protectionFinger and back-of-hand proof to BGV A2Mounting width per polemm1.5MountingFinder Art ailDegree of ProtectionFinder Art ailTerminals top and bottommmimin-purpose terminalsTerminal capacitiesmm1.25Interminationmmimin-purpose terminalsTerminal capacitiesmmimin-purpose terminalsInterminationmmimin-purpose terminalsInterminationmmimin-pu | Direction of incoming supply | | | as required |
| Enclosure height mm Bod Terminal protection Finger and back-of-hand proof to BGV A2 Mounting width per pole Finger and back-of-hand proof to BGV A2 Mounting Finger and back-of-hand proof to BGV A2 Degree of Protection Finder and Protection Terminal stop and bottom Finder and Protection Terminal capacities mm ² Interminal capacities mm ² Intermination mm ² | Mechanical | | | |
| Terminal protectionImage: Right and back-of-hand proof to BGV A2Mounting width per polemm7.5MountingImage: Right and BCV | Standard front dimension | | mm | 45 |
| Mounting width per pole mm 1.5 Mounting EC/EN 60715 top-hat rail Degree of Protection ICI ICICN 60715 top-hat rail Terminals top and bottom ICI Imm Imm Terminal capacities Imm Imm Imm Imm Imm Imm Imm | Enclosure height | | mm | 80 |
| Mounting Image: | Terminal protection | | | Finger and back-of-hand proof to BGV A2 |
| Degree of Protection Feed P20, IP40 (when fitted) Terminals top and bottom Terminals copacities Terminals copacities Terminal capacities ma ² Ima ² Indext protection ma ² Ima ² Terminal capacities ma ² Ima ² Indext protection ma ² Ima ² Indext protection ma ² Ima ² | Mounting width per pole | | mm | 17.5 |
| Terminal stop and bottom Image: Base of the stop | Mounting | | | IEC/EN 60715 top-hat rail |
| Terminal capacities mm ² mm ² mm ² Imm ² 1×25 Imm ² x 10 Thickness of busbar material mm 082 | Degree of Protection | | | IP20, IP40 (when fitted) |
| Image: | Terminals top and bottom | | | Twin-purpose terminals |
| Thickness of busbar material Mining Mining Thickness of busbar material Mining 0.82 | Terminal capacities | | mm ² | |
| Thickness of busbar material mm 0.82 | | | mm ² | 1 x 25 |
| | | | mm ² | 2 x 10 |
| Mounting position As required | Thickness of busbar material | | mm | 0.8 2 |
| | Mounting position | | | As required |

Design verification as per IEC/EN 61439

| Technical data for design verification | | | |
|--|-------------------|---|-----|
| Rated operational current for specified heat dissipation | I _n | А | 2 |
| Heat dissipation per pole, current-dependent | P _{vid} | W | 0 |
| Equipment heat dissipation, current-dependent | P _{vid} | W | 1.4 |
| Static heat dissipation, non-current-dependent | P _{vs} | W | 0 |
| Heat dissipation capacity | P _{diss} | W | 0 |

| Operating ambient temperature min. | °C | -40 |
|---|----|--|
| Operating ambient temperature max. | °C | 75 |
| | | linear, per +1 °C, results in a 0.5% reduction of current carrying capacity |
| EC/EN 61439 design verification | | |
| 10.2 Strength of materials and parts | | |
| 10.2.2 Corrosion resistance | | Meets the product standard's requirements. |
| 10.2.3.1 Verification of thermal stability of enclosures | | Meets the product standard's requirements. |
| 10.2.3.2 Verification of resistance of insulating materials to normal heat | | Meets the product standard's requirements. |
| 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. |
| 10.2.4 Resistance to ultra-violet (UV) radiation | | Meets the product standard's requirements. |
| 10.2.5 Lifting | | Does not apply, since the entire switchgear needs to be evaluated. |
| 10.2.6 Mechanical impact | | Does not apply, since the entire switchgear needs to be evaluated. |
| 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. |
| 10.9.3 Impulse withstand voltage | | Is the panel builder's responsibility. |
| 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 observed. |
| 10.12 Electromagnetic compatibility | | Is the panel builder's responsibility. The specifications for the switchgear must observed. |
| 10.13 Mechanical function | | The device meets the requirements, provided the information in the instruction leaflet (IL) is observed. |

Technical data ETIM 6.0

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

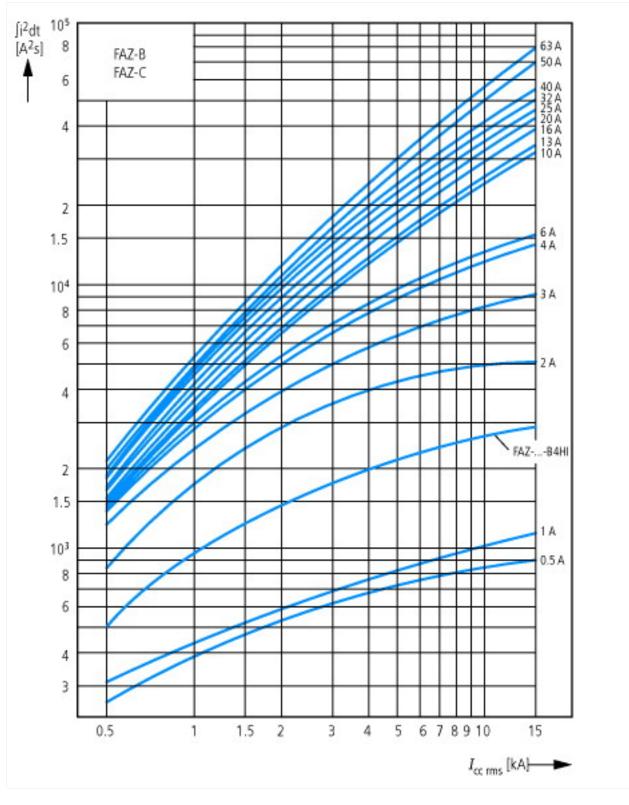
Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8.1-27-14-19-01 [AAB905011])

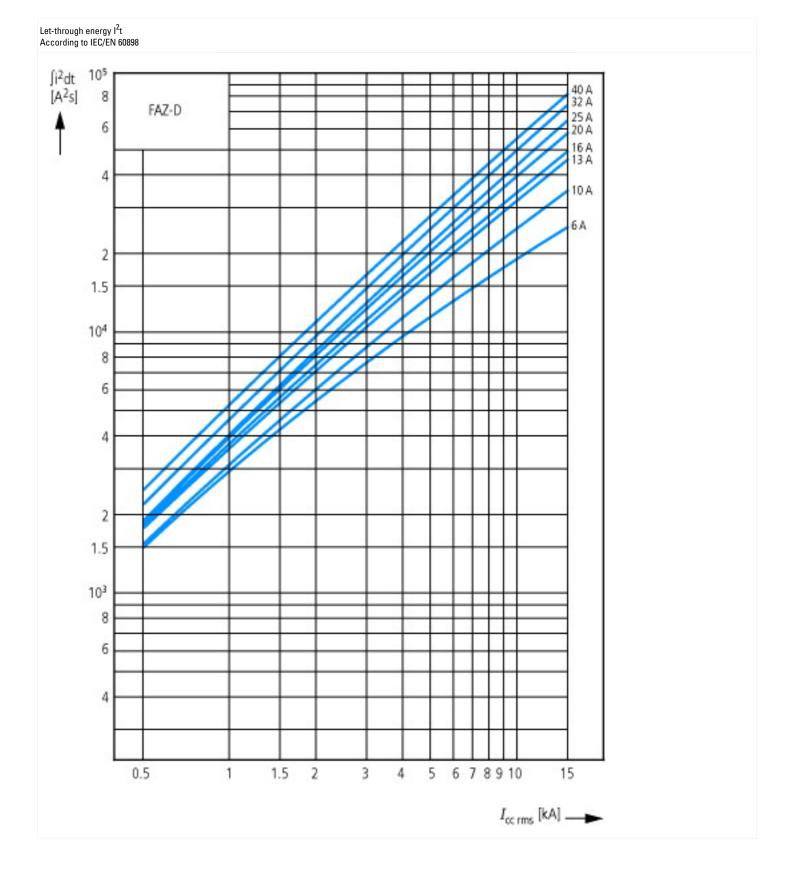
| Release characteristic | | | c |
|--|---|----|---------|
| Number of poles (total) | | | 1 |
| Number of protected poles | | | 1 |
| Nominal rated current | A | 4 | 2 |
| Nominal rated voltage | V | 1 | 230 |
| Rated short-circuit breaking capacity Icn EN 60898 at 230 V | k | A | 10 |
| Rated short-circuit breaking capacity Icn EN 60898 at 400 V | k | A | 10 |
| Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V | k | A | 15 |
| Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V | k | A | 15 |
| Voltage type | | | AC |
| Current limiting class | | | 3 |
| Frequency | н | lz | 50 - 60 |
| Concurrently switching N-neutral | | | No |
| Suitable for flush-mounted installation | | | No |
| Over voltage category | | | 3 |
| Pollution degree | | | 2 |
| Width in number of modular spacings | | | 1 |
| Built-in depth | m | nm | 70.5 |
| Additional equipment possible | | | Yes |
| Degree of protection (IP) | | | IP20 |
| | | | |

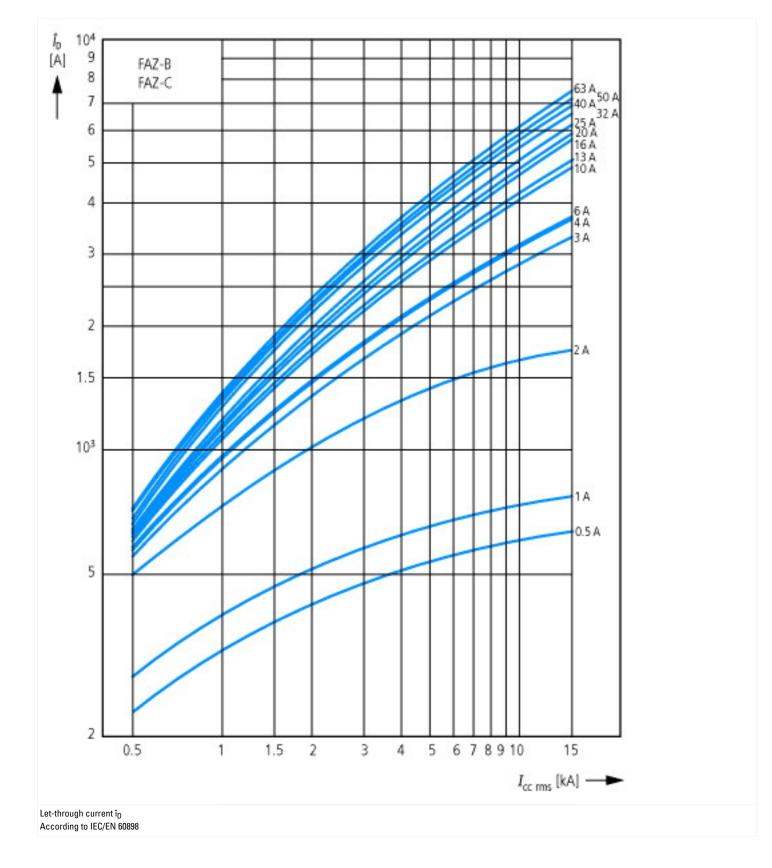
Approvals

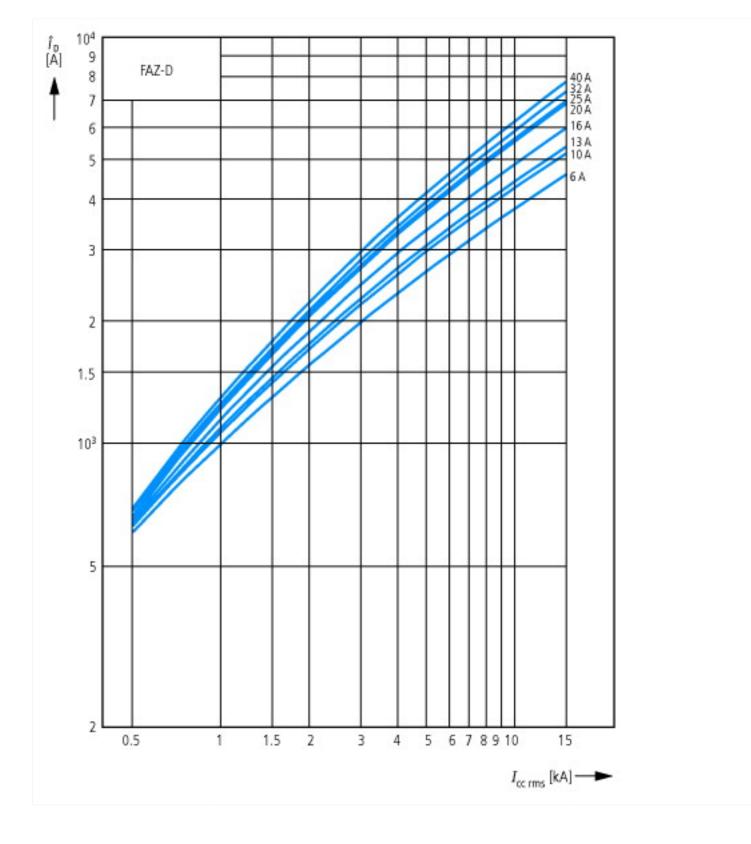
| Product Standards | IEC/EN 60947-2; IEC/EN 60898; UL 1077; CSA-C22.2 No. 235; CE marking |
|----------------------------------|--|
| UL File No. | E177451 |
| UL Category Control No. | QVNU2, QVNU8 |
| CSA File No. | 204453 |
| CSA Class No. | 3215-30 |
| North America Certification | UL recognized, CSA certified |
| Conditions of Acceptability | Supplementary Protector only |
| Suitable for | Branch Circuits; not as BCPD |
| Current Limiting Circuit-Breaker | No |
| Max. Voltage Rating | 277 VAC; 48 VDC |
| Degree of Protection | IEC: IP20; UL/CSA Type: - |
| | |

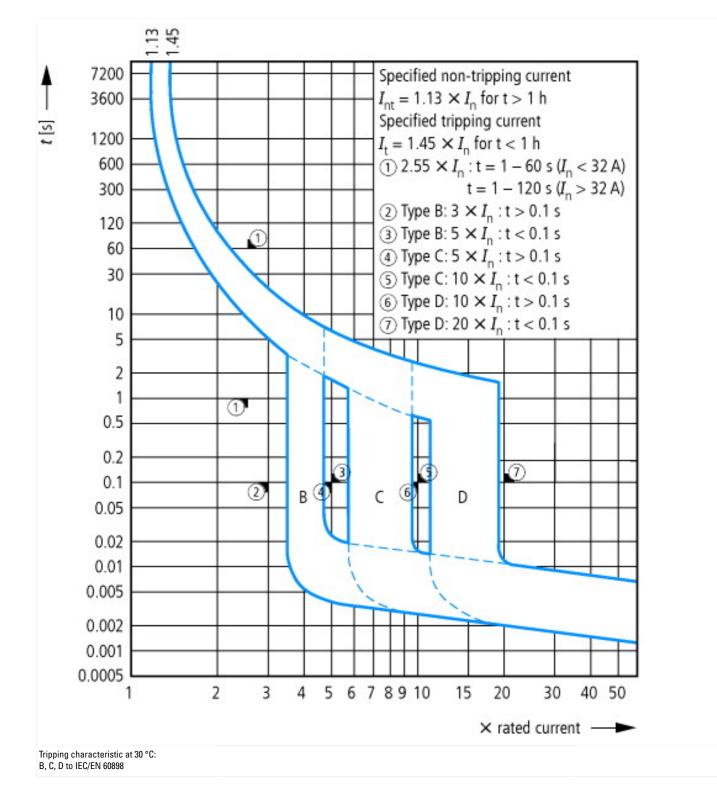
Characteristics



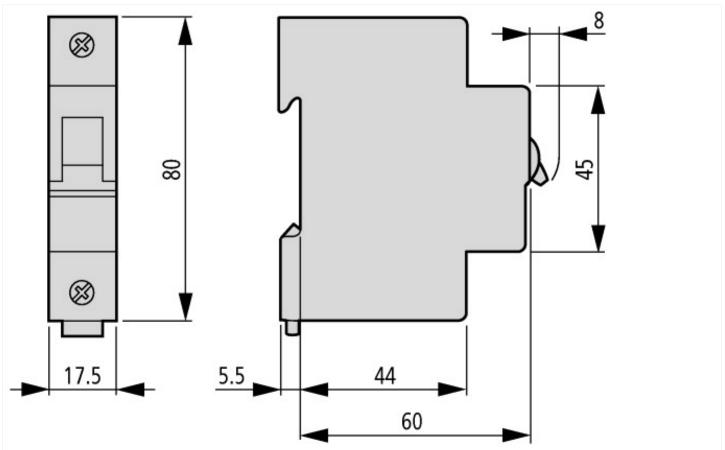








Dimensions



Additional product information (links)

AWA1220-1755 Circiut-breaker

AWA1220-1755 Circiut-breaker

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/17550701.pdf