

Over current switch, 20A, 1p, C-Char

Part no. Article no.

Catalog No.

AZ-4-C20 211772 AZ-4-C20



Similar to illustration

| | Del | ivery | progr | am |
|--|-----|-------|-------|----|
|--|-----|-------|-------|----|

| Basic function | | | Miniature circuit breakers |
|-------------------------------------------------|----|----|----------------------------------------------------------------|
| Number of poles | | | 4 pole |
| Tripping characteristic | | | C |
| Application | | | Switchgear for industrial and advanced commercial applications |
| Rated current | In | Α | 20 |
| Rated switching capacity acc. to IEC/EN 60947-2 | | kA | 25 |
| Product range | | | AZ |

Technical data

Electrical

| Standards | | | IEC/EN 60947-2 |
|-------------------------------------------------|----------------|-----------------|-----------------------------------------|
| Rated operational voltage | U _e | V | |
| | U _e | V AC | 230/400 |
| | | V DC | 60 (per pole) |
| Rated switching capacity acc. to IEC/EN 60947-2 | | kA | 25 |
| Operational switching capacity | | kA | 20 |
| Characteristic | | | Similar: D, C |
| Max. back-up fuse | | A gL/gG | 200 |
| Selectivity Class | | | Compliant with Class 3 |
| Lifespan | Operations | | > 10000 |
| Direction of incoming supply | | | as required |
| Mechanical | | | |
| Standard front dimension | | mm | 45 |
| Enclosure height | | mm | 90 |
| Terminal protection | | | Finger and back-of-hand proof to BGV A2 |
| Mounting width per pole | | mm | 27 |
| Mounting | | | IEC/EN 60715 top-hat rail |
| Degree of Protection | | | IP20, IP40 (when fitted) |
| Terminals top and bottom | | | Lift terminals |
| Terminal capacities | | mm^2 | |
| | | mm ² | 2.5 50 |

Design verification as per IEC/EN 61439

| In | Α | 20 |
|-------------------|---------------------------------------------------|---------------------------------------------------------------------------------------------------|
| P _{vid} | W | 0 |
| P _{vid} | W | 18.4 |
| P_{vs} | W | 0 |
| P _{diss} | W | 0 |
| | °C | -25 |
| | °C | 55 |
| | | linear, per +1 °C, results in a 0.5% reduction of current carrying capacity |
| | | |
| | | |
| | | Meets the product standard's requirements. |
| | | Meets the product standard's requirements. |
| | P _{vid} P _{vid} P _{vs} | P _{vid} W P _{vid} W P _{vid} W P _{vs} W P _{diss} W °C |

| 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 switch gear must observed. $\label{eq:specification}$ |
| 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. |

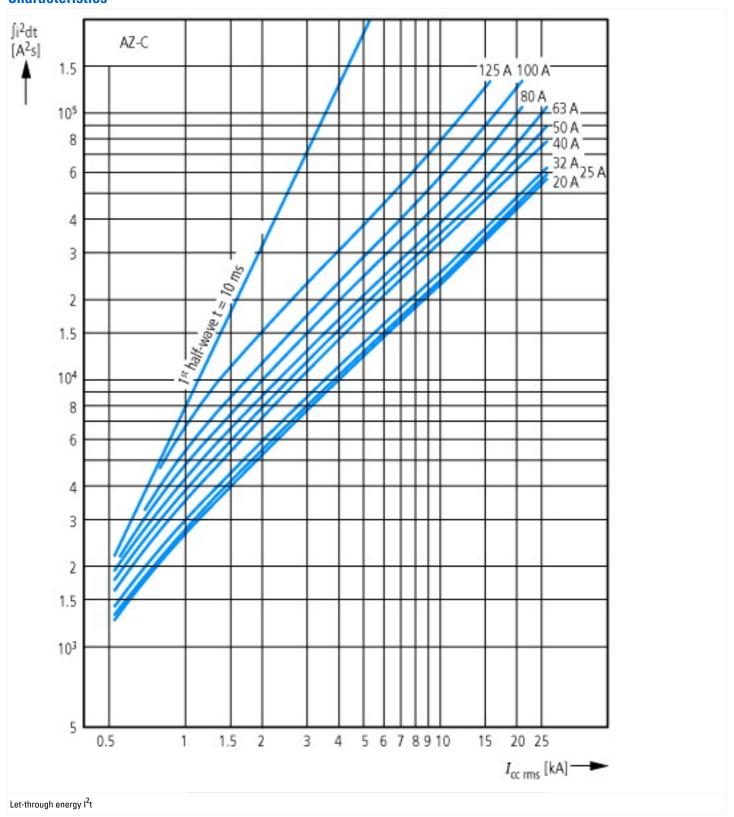
Technical data ETIM 6.0

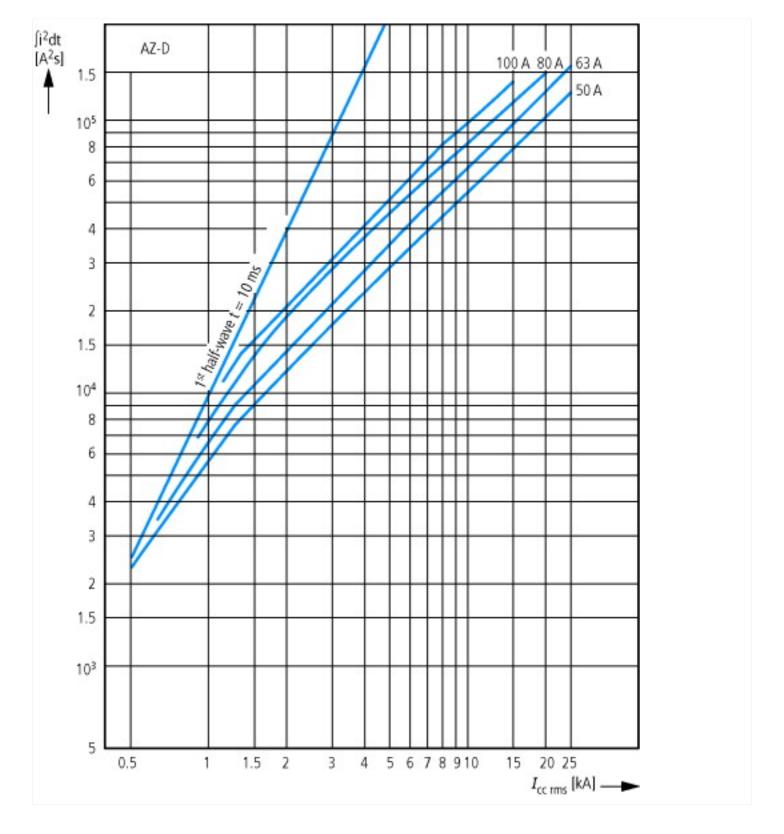
Circuit breakers and fuses (EG000020) / Miniature circuit breaker (MCB) (EC000042)

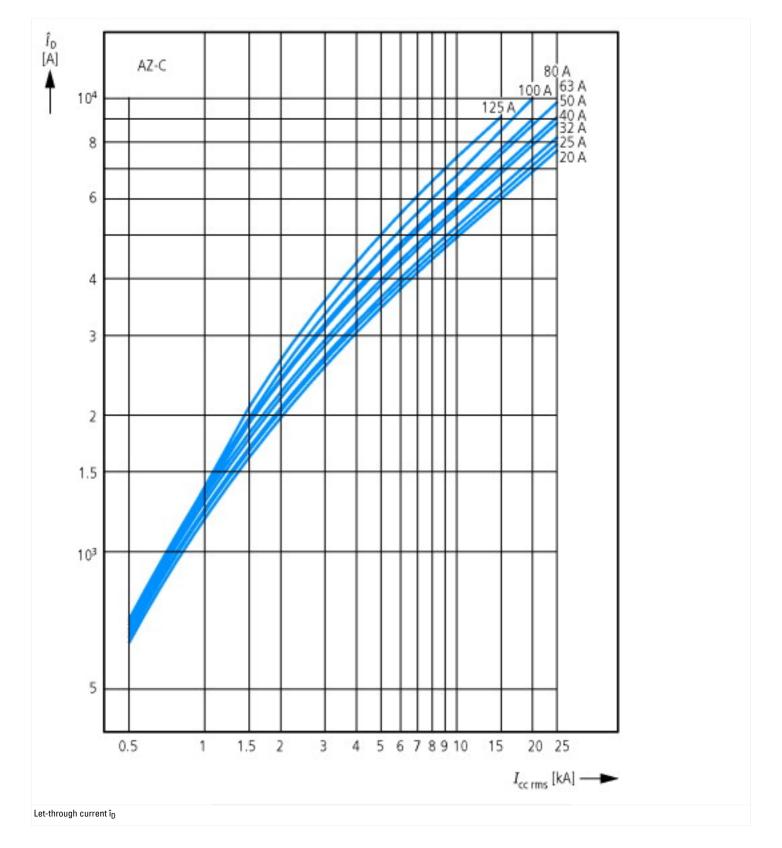
Electric engineering, automation, process control engineering / Electrical installation, device / Miniature circuit breaker system (MCB) / Miniature circuit breaker (MCB) (ecl@ss8.1-27-14-19-01 [AAB905011])

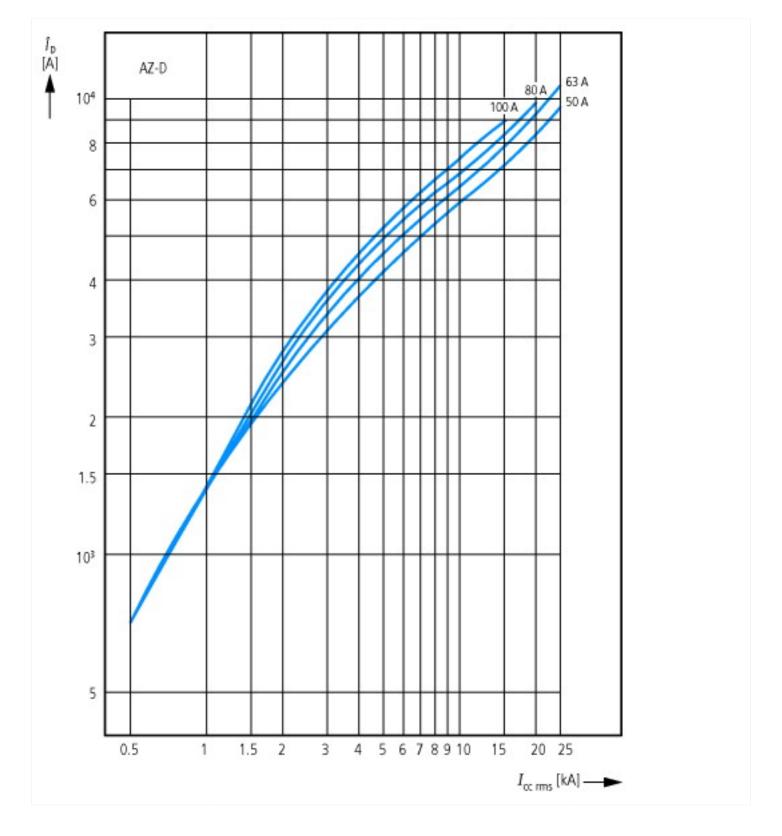
| [AAB905011]) | | |
|----------------------------------------------------------------|----|---------|
| Release characteristic | | С |
| Number of poles (total) | | 4 |
| Number of protected poles | | 1 |
| Nominal rated current | Α | 20 |
| Nominal rated voltage | V | 400 |
| Rated short-circuit breaking capacity Icn EN 60898 at 230 V | kA | 25 |
| Rated short-circuit breaking capacity Icn EN 60898 at 400 V | kA | 25 |
| Rated short-circuit breaking capacity Icu IEC 60947-2 at 230 V | kA | 0 |
| Rated short-circuit breaking capacity Icu IEC 60947-2 at 400 V | kA | 0 |
| Voltage type | | AC |
| Current limiting class | | 3 |
| Frequency | Hz | 50 - 60 |
| Concurrently switching N-neutral | | Yes |
| Suitable for flush-mounted installation | | No |
| Over voltage category | | 3 |
| Pollution degree | | 2 |
| Width in number of modular spacings | | 6 |
| Built-in depth | mm | 75 |
| Additional equipment possible | | Yes |
| Degree of protection (IP) | | IP20 |
| | | |

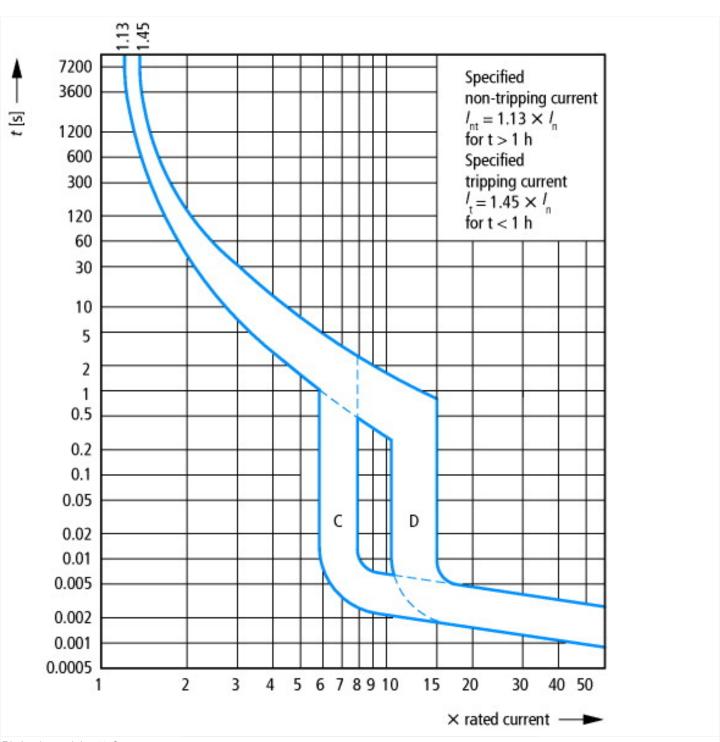
Characteristics





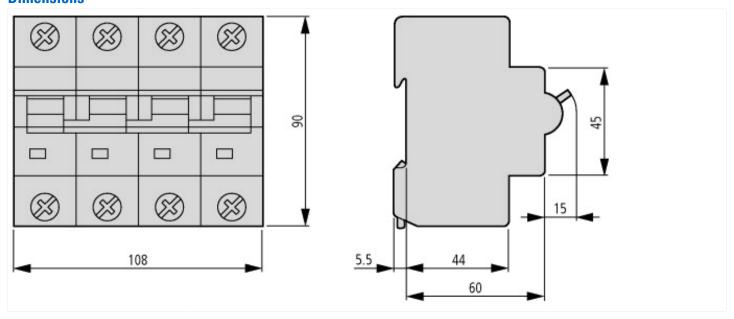






Tripping characteristic at 30 °C: C, D according to IEC/EN 60898

Dimensions



Additional product information (links)

AWA1220-1755 Circiut-breaker

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