

Circuit-breaker, 3p, 3200A, 1100V, fixed

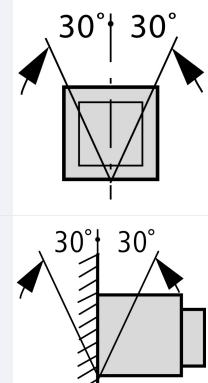
Part no. IZM32S3-U32F-1100V
 Catalog No. 123727

Delivery program

| | | | |
|---|-----------------------------|---|--|
| Product range | | | Air circuit-breakers/switch-disconnectors |
| Product range | | | Open circuit-breakers for 1100 V AC |
| Current Range | | | 4000 to 6300 A |
| Protective function | | | Universal protection |
| Installation type | | | Fixed |
| Construction size | | | IZM32S |
| Standard/Approval | | | IEC |
| Number of poles | | | 3 pole |
| Degree of Protection | | | IP20, IP55 with protective cover, IP41 with door sealing frame |
| Rated current = rated uninterrupted current | $I_n = I_u$ | A | 3200 |
| Overload release, min. | I_r | A | 1280 |
| Overload release, max. | I_r | A | 3200 |
| Non-delayed | $I_i = I_n \times \dots$ | | 2 - 10, OFF |
| Delayed | $I_{sd} = I_r \times \dots$ | | 2 - 10 |

Notes
 Including rear connection main terminals and secondary terminal blocks according to ordered breaker options.

Technical data

| | | | |
|------------------------------|---|----|--|
| General | | | |
| Standards | | | IEC/EN 60947 |
| Ambient temperature | | | |
| Storage | θ | °C | -25 - +70 (device with LCD-display -20 - +70) |
| Operating (open) | | °C | -25 - +70 (device with LCD-display -20 - +70) |
| Mounting position | | |  |
| Utilization category | | | B |
| Degree of Protection | | | IP20, IP55 with protective cover, IP41 with door sealing frame |
| Direction of incoming supply | | | as required |

Main conducting paths

| | | | |
|---|-------------|------|------|
| Rated current = rated uninterrupted current | $I_n = I_u$ | A | 3200 |
| Rated uninterrupted current at 50 °C | I_u | A | 3100 |
| Rated uninterrupted current at 60 °C | I_u | A | 2800 |
| Rated uninterrupted current at 70 °C | I_u | A | 2550 |
| Rated impulse withstand voltage | U_{imp} | V AC | 8000 |
| Rated operational voltage | U_e | V AC | 1100 |

| | | | |
|---------------------------------------|-------|---|-------|
| Overvoltage category/pollution degree | | | III/3 |
| Rated insulation voltage | U_i | V | 1100 |

Switching capacity

| | | | |
|---|--------------|----|-------|
| Rated short-circuit making capacity | I_{cm} | | |
| up to 440 V 50/60 Hz | I_{cm} | kA | 210 |
| up to 690 V 50/60 Hz | I_{cm} | kA | 210 |
| Rated short-circuit breaking capacity I_{cn} | I_{cn} | | |
| IEC/EN 60947 operating sequence I_{cu} 0-t-CO | | | |
| up to 1100 V 50/60 Hz | I_{cu} | kA | 25 |
| IEC/EN 60947 operating sequence I_{cs} 0-t-CO-t-CO | | | |
| up to 1100 V 50/60 Hz | I_{cs} | kA | 25 |
| Operating times | | | |
| Closing delay via spring release | | ms | 30 |
| Break times | | ms | 40 |
| Total opening delay via shunt release | | ms | 35 |
| Total opening delay via undervoltage release | | ms | 35/70 |
| Total opening delay on non-delayed short-circuit release (up to complete arc quenching) | | ms | 35 |
| Maximum operating frequency | Operations/h | | 60 |
| Heat dissipation at rated current I_n | | | |
| Fixed mounting | | W | 320 |
| Withdrawable units (switch with cassette) | | W | 800 |

Weight

| | | | |
|----------------|--|----|-----|
| Fixed mounting | | | |
| 3-pole | | kg | 70 |
| 4-pole | | kg | 89 |
| Withdrawable | | | |
| 3-pole | | kg | 88 |
| 4-pole | | kg | 115 |
| Cassette | | | |
| 3 pole | | kg | 60 |
| 4 pole | | kg | 73 |

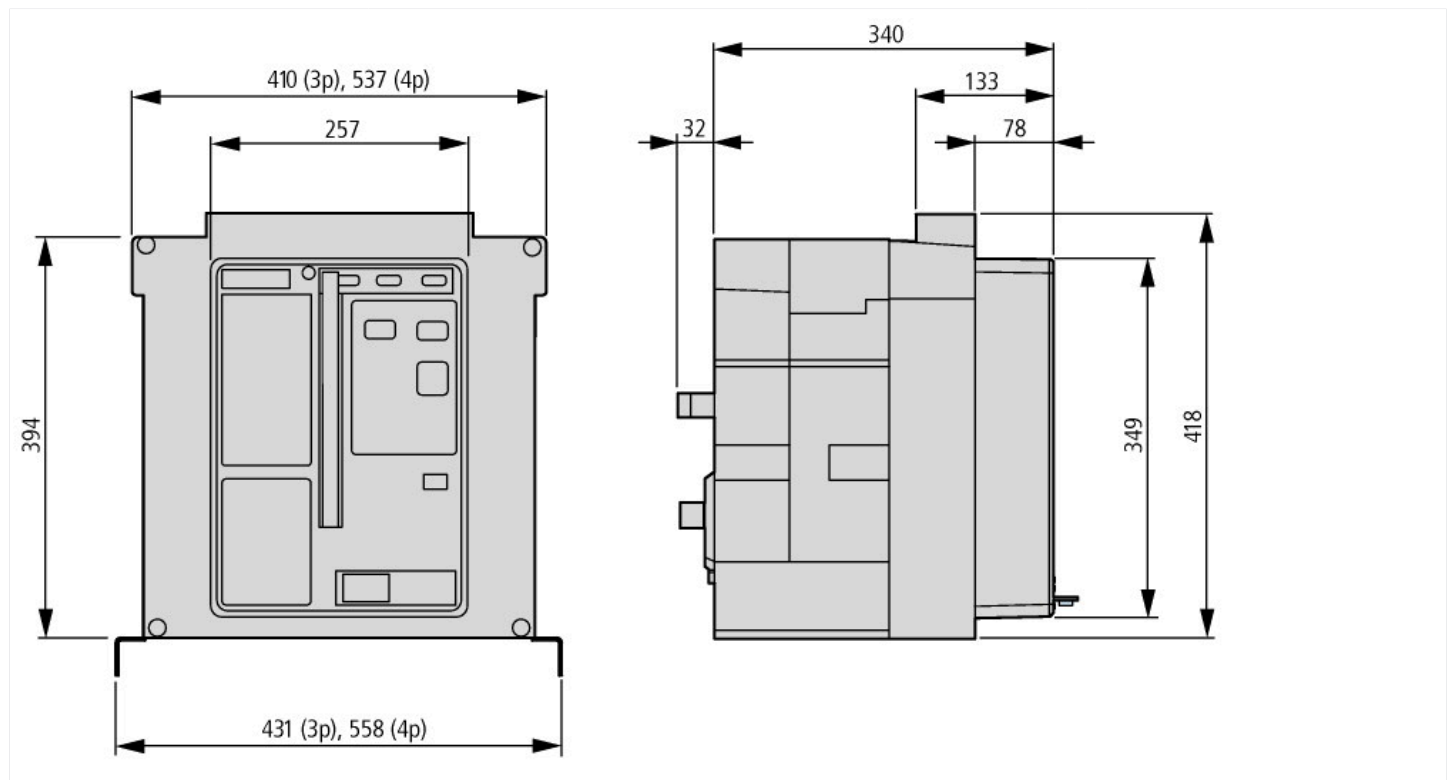
Terminal capacities

| | | | |
|--|--|----|--|
| Copper bar | | | |
| Fixed mounting | | | |
| Black | | mm | 3 x 10 x 100 |
| Withdrawable units | | | |
| Black | | mm | 3 x 10 x 100 |
| Other technical data (sheet catalogue) | | | Permissible continuous current for circuit-breakers operating in switchboards at various internal ambient temperatures. The switchboard's internal ambient temperature should be estimated using the calculation methods of IEC regulation. Tripping characteristics for universal and selective protection Notes - tripping characteristics |

Design verification as per IEC/EN 61439

| | | | |
|--|--|----|-----|
| Technical data for design verification | | | |
| Operating ambient temperature max. | | °C | -25 |
| Operating ambient temperature max. | | °C | 70 |

Dimensions



Additional product information (links)

| | |
|---|---|
| Notes - tripping characteristics | http://ecat.moeller.net/flip-cat/?edition=HPLEN&startpage=18.88 |
| Tripping characteristics for universal and selective protection | http://ecat.moeller.net/flip-cat/?edition=HPLEN&startpage=18.79 |