



ARC582U

MCB with dangerous arc detection 1P+N 10kA C-32A 2M

Technical Features

Electric current

| | |
|---|---------|
| Rated current | 32 A |
| Rated current -25°C | 38.30 A |
| Rated current at -20°C | 37.77 A |
| Rated current -15°C | 37.24 A |
| Rated current -10°C | 36.69 A |
| Rated current -5°C | 36.14 A |
| Rated current at 0°C | 35.58 A |
| Rated current 5°C | 35.01 A |
| Rated current 10°C | 34.43 A |
| Rated current 15°C | 33.84 A |
| Rated current at 20°C | 33.24 A |
| Rated current 25°C | 32.63 A |
| Rated current 30°C | 32 A |
| Rated current 35°C | 31.52 A |
| Rated current at 40°C | 31.03 A |
| Rated current at 45°C | 30.54 A |
| Rated current at 50°C | 30.03 A |
| Rated current 55°C | 29.52 A |
| Rated current 60°C | 29 A |
| Rated short-circuit breaking capacity I _{cn} under 230 V AC according to IEC 60898-1 | 10 kA |

Architecture

| | |
|--------------|------|
| Curve | C |
| Type of pole | 1P+N |

Main electrical attributes

| | |
|---|-------|
| Rated short-circuit breaking capacity I _{cn} AC according to IEC 60898-1 | 10 kA |
|---|-------|

Installation, mounting

| | |
|---|----------|
| Nominal tightening torque top terminal | 2 - 2 Nm |
| Nominal tightening torque down terminal | 2 - 2 Nm |

Voltage

| | |
|--|-------------|
| Rated insulation voltage U _i | 500 V |
| Rated impulse withstand voltage U _{imp} | 4000 V |
| Rated operational voltage U _e | 230 - 230 V |

Power

| | |
|---------------------------------------|--------|
| Total power loss under I _N | 8.31 W |
|---------------------------------------|--------|

Use conditions

| | |
|---|---|
| Class of energy limitation I ² t | 3 |
|---|---|

Endurance

| | |
|--|------|
| Number of mechanical operations | 4000 |
| Electric endurance in number of cycles | 2000 |

Installation, mounting

| | |
|---|----------------|
| Nominal tightening torque | 2 - 2 Nm |
| Type of bottom connection for modular devices | biconnect |
| Type of top connection for modular devices | Screw terminal |

Capacity

| | |
|-------------------|---|
| Number of modules | 2 |
|-------------------|---|

Dimensions

| | |
|--------|----------|
| Height | 85 mm |
| Width | 35.50 mm |

Dimensions

| | |
|-------|-------|
| Depth | 70 mm |
|-------|-------|

Frequency

| | |
|-----------|------------|
| Frequency | 50 - 50 Hz |
|-----------|------------|

Use conditions

| | |
|-----------------------|-------------|
| Operating temperature | -25 - 60 °C |
|-----------------------|-------------|

| | |
|-------------------------------|-------------|
| Storage/transport temperature | -40 - 70 °C |
|-------------------------------|-------------|

Connection

| | |
|--|------------------------|
| Cross-section of output with screws, for flexible conductors | 1 - 16 mm ² |
|--|------------------------|

| | |
|---|----------------------------|
| Cross-section of output with screws, for massive conductors | 1.5 - 25.0 mm ² |
|---|----------------------------|

| | |
|---|------------------------|
| Cross-section of input with screws, for flexible conductors | 1 - 16 mm ² |
|---|------------------------|

| | |
|--|----------------------------|
| Cross-section of input with screws, for massive conductors | 1.5 - 25.0 mm ² |
|--|----------------------------|

Sustainability

| | |
|--------------|-----|
| RoHS conform | Yes |
|--------------|-----|
