



AD932J

RCBO 1P+N 6kA B-32A 30mA A Class

Technical properties

Architecture

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

Electric current

| | |
|---|---------------|
| Rated current | 32 A |
| Rated residual operating current I _{dn} | 30 mA |
| Rated current -25°C | 38.30 A |
| Rated current at -20°C | 37.80 A |
| Rated current -15°C | 37.20 A |
| Rated current -10°C | 36.70 A |
| Rated current -5°C | 36.10 A |
| Rated current at 0°C | 35.60 A |
| Rated current 5°C | 35 A |
| Rated current 10°C | 34.40 A |
| Rated current 15°C | 33.80 A |
| Rated current at 20°C | 33.20 A |
| Rated current 25°C | 32.60 A |
| Rated current 30°C | 32 A |
| Rated current 35°C | 31.50 A |
| Rated current at 40°C | 31 A |
| Rated current at 50°C | 30 A |
| Rated current 55°C | 29.50 A |
| Rated current 60°C | 29 A |
| Correction factor of rating current for 2 devices placed side by side | 1 |
| Correction factor of rating current for 3 devices placed side by side | 0.95 |
| Correction factor of rating current for 4 and 5 devices placed side by side | 0.90 |
| Correction factor of rating current for 6 devices placed side by side | 0.85 |
| Min./max. threshold value of the AC thermal operation | 1.13 - 1.45 A |

Safety

| | |
|-------------------------------|------|
| Residual current type | A |
| Ingress Protection (IP) class | IP2X |

Main electrical attributes

Connectivity

| | |
|--------------------|----------------|
| Type of connection | Screw terminal |
|--------------------|----------------|

Voltage

| | |
|--|-------------|
| Rated insulation voltage U _i | 500 V |
| Rated impulse withstand voltage U _{imp} | 4,000 V |
| Max. operating voltage | 240 V |
| Rated operational voltage U _e | 240 - 240 V |
| Overvoltage category according to IEC 60947-1 | 3 |

Power

| | |
|---------------------------------------|--------|
| Total power loss under I _N | 8.30 W |
|---------------------------------------|--------|

Frequency

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

Use conditions

| | |
|---|-------------|
| Max. Altitude | 2,000 m |
| Class of energy limitation I ² t | 3 |
| Operating temperature | -25 - 40 °C |
| Storage/transport temperature | -25 - 70 °C |

Endurance

| | |
|--|-------|
| Electric endurance in number of cycles | 2,000 |
| Number of mechanical operations | 1,000 |

Connection

| | |
|--|------------------------|
| Cross-section flexible conductor | 1 - 16 mm ² |
| Cross-section rigid conductor | 1 - 25 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 - 25 mm ² |
| Cross-section of input and output with screws, for flexible conductors | 1 - 16 mm ² |
| Cross-section of input and output with screws, for massive conductors | 1 - 25 mm ² |

Installation, mounting

| | |
|---|----------------|
| Nominal tightening torque | 2.10 - 2.10 Nm |
| Type of top connection for modular devices | Screw terminal |
| Type of bottom connection for modular devices | biconnect |

Capacity

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

Dimensions

| | |
|--------|-------|
| Height | 83 mm |
|--------|-------|

| | |
|-------|-------|
| Width | 35 mm |
| Depth | 68 mm |