



RCBO 1P+N 6kA C-40A 30mA A Class

Similar image
(Picture shows ADA910T)

Architecture

| | |
|---------------------------|-------|
| Neutral position | right |
| Number of protected poles | 1 |
| Number of poles | 2 P |
| Type of pole | 1P+N |
| Curve | C |

Compatibility

| | |
|-----------------------------------|-----|
| Compatible with DIN rail mounting | yes |
|-----------------------------------|-----|

Connectivity

| | |
|--|------------------|
| Top connection alignment for modular devices | Aligned terminal |
|--|------------------|

Main electrical features

| | |
|---|-------|
| Frequency | 50 Hz |
| Rated short circuit breaking capacity I _{cn} AC according IEC60898-1 | 6 kA |
| Rated operational voltage U _e | 240 V |

Voltage

| | |
|---------------------------------|--------|
| Rated insulation voltage | 500 V |
| Max operating voltage | 240 V |
| Rated impulse withstand voltage | 4000 V |

Electric current

| | |
|--|---------------------|
| Rated residual operating current | 30 mA |
| Withstand not tripping on 8-20 ?s wave | 250 A |
| Rated short circuit breaking capacity I _{cn} under 230V AC according IEC60898-1 | 6 kA |
| Rated ultimate short-circuit breaking capacity I _{cu} under 230V AC IEC 60947-2 | 6 kA |
| Rated ultimate short-circuit breaking capacity I _{cu} under 240V AC IEC 60947-2 | 6 kA |
| Breaking and opening capacity | 6 kA |
| Magnetic regulating current at 40° C | 5/10 I _n |

Technical Properties

min/maxi threshold value of the AC thermal operation 1,13/1,45 In

Electric current / temperature

| | |
|----------------------|--------|
| Rating current -15°C | 45,6 A |
| Rating current -20°C | 46,3 A |
| Rating current 0°C | 43,8 A |
| Rating current 10°C | 42,5 A |
| Rating current -10°C | 45 A |
| Rating current 15°C | 41,9 A |
| Rating current 20°C | 41,3 A |
| Rating current 25°C | 40,6 A |
| Rating current -25°C | 46,9 A |
| Rating current 30°C | 40 A |
| Rating current 35°C | 39,4 A |
| Rating current 40°C | 38,8 A |
| Rating current 45°C | 38,2 A |
| Rating current 5°C | 43,1 A |
| Rating current -5°C | 44,4 A |
| Rating current 50°C | 37,5 A |
| Rating current 55°C | 36,9 A |
| Rating current 60°C | 36,2 A |
| Rating current 70°C | 27,2 A |

Current correction factors

Correction factor of rating current for 2 devices placed 1 side-by-side

Correction factor of rating current for 3 devices placed 0,95 side-by-side

Correction factor of rating current for 4 and 5 devices 0,9 placed side-by-side

Correction factor of rating current for 6 devices placed 0,85 side-by-side

Selectivity

Minimal rating current of upstream aM fuse for selectivity on short-circuit 50 A

Minimal rating current of upstream gL fuse for selectivity on short-circuit 63 A

Maximal rating current of downstream aM fuse for selectivity on short-circuit 10 A

Maximal rating current of downstream gL fuse for selectivity on short-circuit 20 A

Power

Power loss per pole at In 6,2 W

Total power loss under IN 11,1 W

Tripping

Protected against nuisance tripping no

Endurance

| | |
|--|------|
| Electric endurance in number of cycles | 2000 |
| Number of mechanical operations | 1000 |

Dimensions

| | |
|-----------------------------|-------|
| Depth of installed product | 68 mm |
| Height of installed product | 83 mm |
| Width of installed product | 35 mm |

Installation, mounting

| | |
|--|---------|
| Tightening torque | 2,1Nm |
| Type of bottom rail clip for modular devices | plastic |
| Bottom removability for modular devices | yes |
| Top removability for modular devices | no |

Connection

| | |
|--|-----------------------|
| Connection cross-section at output with screw, for flexible conductor | 1/16 mm ² |
| Connection cross-section of the access with screws, with flexible conductor | 1/16 mm ² |
| Connection cross-section at output with screw, for massive conductor | 1/25 mm ² |
| Connection cross-section for rigid conductor, upstream terminals with screws | 1/25 mm ² |
| Connection cross-sect. rigid cable | 1 / 25mm ² |
| Connection cross-sect. flexible conductor | 1 / 16mm ² |
| Type of connection | with screw |

Standards

| | |
|-------------------------|-----------------------------|
| Standard text | IEC 61009-1, AS/NZS 61009-1 |
| European directive WEEE | not concerned |

Safety

| | |
|-----------------------|------|
| Protection index IP | IP20 |
| Residual current type | A |

Use conditions

| | |
|--|------------------|
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 2 |
| Operating temperature | -25 40 °C |
| Class of energy limitation I ² t | 3 |
| Altitude | 2000 m |
| Storage temperature | -25 to 70 °C |
| Air humidity protection | for all climates |
| Storage/transport temperature | -25 70 °C |

temperatur

| | |
|----------------------------|-------|
| Temperature of calibration | 30 °C |
|----------------------------|-------|