

SPECIFICATION · RCBO

# R1-E 6kA RCBO



R1-E DIN RAIL

## FUNCTION & FEATURE

- A compact RCBO in the same physical size as a conventional single pole MCB. For complete circuit protection and enhanced safety.
- Allows more poles to be fitted into a consumer unit offering a more economy solution
- Capacity complies with most energy authority requirements across domestic and overseas installation fault level requirements
- Enabling better flexibility of installation as there is no restriction to the top or the bottom connection of the supply

## 01 TECHNICAL DATA

|   |                 |                           |
|---|-----------------|---------------------------|
| Rated Current (In)                                | A               | 6, 10, 16, 20, 25, 32, 40 |
| Rated Voltage (Ue)                                | V               | 230/240                   |
| Number of Poles                                   | —               | 1P+N                      |
| Rated Breaking Capacity                           | Ultimate (Icn)  | kA 6                      |
|   | Service (Ics)   | kA 6                      |
| Rated Residual Current (IΔn)                      | mA              | 30                        |
| Residual Tripping Characteristics                 | —               | AC,A                      |
| Rated Residual Making and Breaking Capacity (IΔm) | A               | 3000                      |
| Rated Frequency                                   | Hz              | 50/60                     |
| IP Degree   | —               | IP20                      |
| Tripping Characteristics                          | —               | B, C                      |
| Energy Limiting Class                             | —               | 3                         |
| Electrical Endurance                              | Cycles          | 4000                      |
| Mechanical Endurance                              | Cycles          | 10000                     |
| Rated Insulation Voltage (Ui)                     | V               | 500                       |
| Rated Impulse Withstand Voltage (Uimp)            | kV              | 4                         |
| Cable Termination                                 | mm <sup>2</sup> | 25                        |
| Torque Screw                                      | N.m             | 2.5                       |
| Terminal  | —               | Pillar Type               |

### STANDARDS

IEC/EN 60898-1 AS/NZS 60898.1

|                             |            |
|-----------------------------|------------|
| 6000<br>I <sub>CN</sub> · A | 3<br>CLASS |
|-----------------------------|------------|

### APPLICATIONS



Residential



Commercial



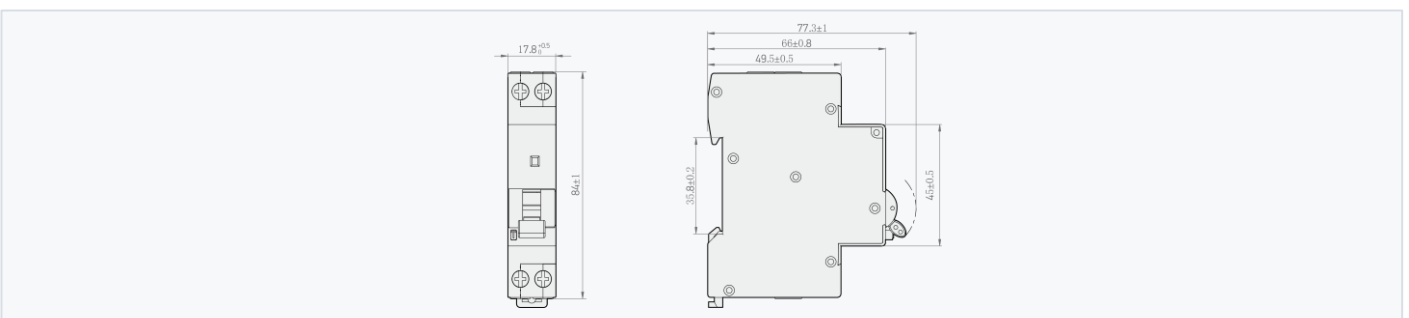
Industrial

### APPROVAL & MARKING



## 02 DIMENSIONS

MM



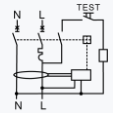
ORDERING SYSTEM · 14 SKU

# R1-E 6kA RCBO

14 references - 1 number of pole\*7 rated currents\*2 curves(B,C)

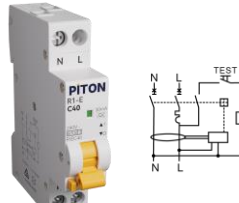
## 03 SELECTION MATRIX

B / C

|       |      |   |
|-------|------|---|
| POLES | 1P+N |  |
|-------|------|---|

### Ordering System

#### Characteristics B,C

| Poles      | 1P+N  |           |  |
|------------|---|-----------|--|
|            |  |           |  |
| In A(30mA) | B(3-5In)  | C(5-10In) |  |
| 6          | R1EB06  | R1EC06    |  |
| 10         | R1EB10  | R1EC10    |  |
| 16         | R1EB16  | R1EC16    |  |
| 20         | R1EB20  | R1EC20    |  |
| 25         | R1EB25  | R1EC25    |  |
| 32         | R1EB32  | R1EC32    |  |
| 40         | R1EB40  | R1EC40    |  |