

RF1E A

Residual Current Circuit Breakers

Features

- ▶ Single module size with switched neutral line
- ▶ Protection against sinusoidal AC and pulsation DC leakage current
- ▶ 6 kA breaking capacity
- ▶ Simple replace MCB with RCBO in the same place
- ▶ Functionality on minimum supply voltage 90 V
- ▶ The terminals provide to use also time saving busbars
- ▶ Method of DIN rail mounting enables an easy removal of single RCBO without disconnecting units from busbars



| Technical data | Symbol | Unit | RF1E A |
|----------------------------------|----------------|-----------------|-----------------------|
| Standards | | | IEC 61009-1 |
| Approvals | | | SEMKO |
| Number of poles | | | 2 |
| Rated current | I_n | A | 6, 10, 16, 20, 25, 32 |
| Tripping characteristic | | | B, C |
| Rated voltage | U_n | V | 230 |
| Rated frequency | f | Hz | 50 |
| Rated residual operating current | $I_{\Delta n}$ | mA | 30 |
| Rated insulation voltage | | V | 500 |
| Type of residual current | | | A, AC |
| Residual tripping time | | ms | < 100 |
| Short circuit breaking capacity | | kA | 6 |
| Selection category | | kA | 3 |
| Electrical endurance | | op.c. | 4000 |
| Back-up fuse gL/gG | | A | 100 |
| Mechanical endurance | | op.c. | 10.000 |
| Connecting clamps | | | Lug type |
| Connecting wires | | mm ² | 1 ... 10 |
| Mounting | | | DIN rail EN 60715 |
| Ambient air temperature | | °C | -25 ... +40 |
| Protection degree | | | IP20 |
| Width | | mm | 18 (1-module) |

RF11E A characteristics

| Curve | Rated Current I_n (A) | Rated Voltage U_n (V) | UPC | Ordering No. | Weight (g) |
|----------------|----------------------------|----------------------------|------------------|--------------|---------------|
| B curve | | | | | |
| 6 A | 6 | 230 | RF11E A B6/0.03 | 786.101.982 | 0.122 |
| 10 A | 10 | 230 | RF11E A B10/0.03 | 786.101.983 | 0.122 |
| 16 A | 16 | 230 | RF11E A B16/0.03 | 786.101.984 | 0.122 |
| 20 A | 20 | 230 | RF11E A B20/0.03 | 786.101.985 | 0.122 |
| 25 A | 25 | 230 | RF11E A B25/0.03 | 786.101.986 | 0.122 |
| 32 A | 32 | 230 | RF11E A B32/0.03 | 786.101.987 | 0.122 |
| 40 A | 40 | 230 | RF11E A B40/0.03 | 786.101.015 | 0.122 |
| C curve | | | | | |
| 6 A | 6 | 230 | RF11E A C 6/0.03 | 786.101.988 | 0.122 |
| 10 A | 10 | 230 | RF11E A C10/0.03 | 786.101.989 | 0.122 |
| 16 A | 16 | 230 | RF11E A C16/0.03 | 786.101.990 | 0.122 |
| 20 A | 20 | 230 | RF11E A C20/0.03 | 786.101.991 | 0.122 |
| 25 A | 25 | 230 | RF11E A C25/0.03 | 786.101.992 | 0.122 |
| 32 A | 32 | 230 | RF11E A C32/0.03 | 786.101.993 | 0.122 |
| 40 A | 40 | 230 | RF11E A C40/0.03 | 786.101.014 | 0.122 |

Dimensions

(mm)

