



BTH480E



Earth leakage add-on-block 4P 125A Adjustable type HI

Technical properties

Architecture

| | |
|------------------|---------------|
| Neutral position | Left or right |
| Number of poles | 4 P |

Configuration

| | |
|-------------------|---|
| Number of modules | 6 |
|-------------------|---|

Connectivity

| | |
|---|------------------|
| Top connection alignment for modular devices | Not applicable |
| Bottom connection alignment for modular devices | Aligned terminal |

Main electrical features

| | |
|------------------------------|-------------|
| Rated operational voltage Ue | 240 / 415 V |
| Frequency | 50 Hz |

Voltage

| | |
|---------------------------------|--------|
| Rated insulation voltage | 500 V |
| Rated impulse withstand voltage | 6000 V |

Electric current

| | |
|----------------------------------|-----------------------|
| Rated residual operating current | 300 mA / 500 mA / 1 A |
| Rated current | 125 A |

Electric current / temperature

| | |
|---------------------|---------|
| Rating current 20°C | 125 A |
| Rating current 30°C | 125 A |
| Rating current 40°C | 118.9 A |
| Rating current 50°C | 112.4 A |
| Rating current 60°C | 105.6 A |
| Rating current 70°C | 99.4 A |

Dimensions

| | |
|-----------------------------|--------|
| Depth of installed product | 69 mm |
| Height of installed product | 103 mm |
| Width of installed product | 213 mm |

Power

| | |
|---------------------------|------|
| Total power loss under IN | 15 W |
|---------------------------|------|

Tripping

| | |
|--|--------------------------|
| Protected against nuisance tripping | Yes |
| Short-time delayed tripping | Yes |
| Endurance | |
| Electric endurance in number of cycles | 1000 |
| Number of mechanical operations | 7000 |
| Installation, mounting | |
| Tightening torque | 3,5Nm |
| Type of top rail clip for modular devices | NA |
| Type of bottom rail clip for modular devices | metallic |
| Type of Bottom Connection for modular devices | with screw |
| Top removability for modular devices | No |
| Bottom removability for modular devices | Yes |
| Settings | |
| Rated fault current adjustable | Yes |
| Delay adjustable | Yes |
| Time delay of residual current | 0 / 60 / 150 ms |
| Standards | |
| Standard text | IEC 61009-1 ; EN 61009-1 |
| European directive WEEE | concerned |
| Safety | |
| Protection index IP | IP20 |
| Residual current type | A HI |
| Use conditions | |
| Degree of pollution according to IEC 60664 / IEC 60947-2 | 3 |
| Altitude | 2000 m |