



### Main

|                           |                         |
|---------------------------|-------------------------|
| Range of product          | PowerPact multistandard |
| Range                     | PowerPact               |
| Product name              | H-Frame                 |
| Device short name         | H-Frame                 |
| Product or component type | Circuit breaker         |
| Device application        | Distribution            |

### Complementary

|                                        |                                                                                                                                                                                                                                                                                                                                                                  |
|----------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Poles description                      | 3P                                                                                                                                                                                                                                                                                                                                                               |
| Control type                           | Toggle                                                                                                                                                                                                                                                                                                                                                           |
| Mounting mode                          | Unit mount                                                                                                                                                                                                                                                                                                                                                       |
| Mounting support                       | DIN rail<br>Flush<br>Backplate                                                                                                                                                                                                                                                                                                                                   |
| Electrical connection                  | Lugs, line side<br>Lugs, load side                                                                                                                                                                                                                                                                                                                               |
| Wire Size                              | 1 x AWG 14...AWG 3/0 ( aluminium/copper )                                                                                                                                                                                                                                                                                                                        |
| [In] rated current                     | 80 A at 40 °C                                                                                                                                                                                                                                                                                                                                                    |
| [Ui] rated insulation voltage          | 750 V AC 50/60 Hz conforming to IEC 60947-2                                                                                                                                                                                                                                                                                                                      |
| [Uimp] rated impulse withstand voltage | 8 kV conforming to IEC 60947-2                                                                                                                                                                                                                                                                                                                                   |
| [Ue] rated operational voltage         | 525 V AC 50/60 Hz conforming to IEC 60947-2<br>690 V AC 50/60 Hz conforming to IEC 947-2<br>600 V AC 50/60 Hz conforming to UL 489                                                                                                                                                                                                                               |
| Breaking capacity code                 | HJ                                                                                                                                                                                                                                                                                                                                                               |
| Suitability for isolation              | Yes                                                                                                                                                                                                                                                                                                                                                              |
| Utilisation category                   | Category A                                                                                                                                                                                                                                                                                                                                                       |
| Mechanical durability                  | 4000 cycles                                                                                                                                                                                                                                                                                                                                                      |
| Electrical durability                  | 4000 cycles                                                                                                                                                                                                                                                                                                                                                      |
| Connection pitch                       | 45 mm                                                                                                                                                                                                                                                                                                                                                            |
| Local signalling                       | ON/OFF indication                                                                                                                                                                                                                                                                                                                                                |
| Contact position indicator             | Yes                                                                                                                                                                                                                                                                                                                                                              |
| Trip unit technology                   | Thermal-magnetic                                                                                                                                                                                                                                                                                                                                                 |
| Trip unit protection functions         | Basic protection                                                                                                                                                                                                                                                                                                                                                 |
| Trip unit rating                       | 80 A                                                                                                                                                                                                                                                                                                                                                             |
| Display type                           | 3 LEDs                                                                                                                                                                                                                                                                                                                                                           |
| Breaking capacity                      | Icu: 65 kA at 220/240 V - AC conforming to IEC 947-2<br>Icu: 35 kA at 380/415 V - AC conforming to IEC 947-2<br>Icu: 35 kA at 440/480 V - AC conforming to IEC 947-2<br>Icu: 18 kA at 500/525 V - AC conforming to IEC 947-2<br>65 KA at 240 V - AC conforming to UL 489<br>35 KA at 480 V - AC conforming to UL 489<br>18 kA at 600 V - AC conforming to UL 489 |

|                                           |                                                                                                                                                                                                                               |
|-------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| [Ics] rated service breaking capacity     | Ics: 100 kA at 220/240 V - AC conforming to IEC 947-2<br>Ics: 65 kA at 380/415 V - AC conforming to IEC 947-2<br>Ics: 65 kA at 440/480 V - AC conforming to IEC 947-2<br>Ics: 25 kA at 500/525 V - AC conforming to IEC 947-2 |
| Long time pick-up adjustment type Ir      | Fixed                                                                                                                                                                                                                         |
| Long time pick-up adjustment range        | 1 In                                                                                                                                                                                                                          |
| Short-time pick-up adjustment type Isd    | Fixed                                                                                                                                                                                                                         |
| [Isd] short-time pick-up adjustment range | 750 A                                                                                                                                                                                                                         |
| Overvoltage category                      | II                                                                                                                                                                                                                            |
| Provision for padlocking                  | Non padlockable                                                                                                                                                                                                               |
| Height                                    | 163 mm                                                                                                                                                                                                                        |
| Width                                     | 104 mm                                                                                                                                                                                                                        |
| Depth                                     | 86 mm                                                                                                                                                                                                                         |
| Standards                                 | W-C-375B/GEN<br>IEC 60947-2<br>NMX J-266<br>UL 489<br>NEMA AB1<br>CSA C22.2 No 5                                                                                                                                              |
| Product certifications                    | CE[RETURN]CCC                                                                                                                                                                                                                 |
| Net weight                                | 2.2 kg                                                                                                                                                                                                                        |
| Tightening torque                         | 5 N.m for 2.5...95 mm² (AWG 14...AWG 3/0)                                                                                                                                                                                     |

## Environment

|                                       |                                                            |
|---------------------------------------|------------------------------------------------------------|
| IP degree of protection               | IP40 conforming to IEC 60529                               |
| IK degree of protection               | IK07 conforming to IEC 62262                               |
| Pollution degree                      | 3 conforming to IEC 60947-1<br>3 conforming to IEC 60664-1 |
| Ambient air temperature for operation | 40 °C                                                      |
| Ambient air temperature for storage   | -50...85 °C                                                |

## Offer Sustainability

|                            |                                                                                                                                   |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                             |
| REACH Regulation           |  <a href="#">REACH Declaration</a>             |
| EU RoHS Directive          | Compliant with Exemptions                                                                                                         |
| Mercury free               | Yes                                                                                                                               |
| RoHS exemption information |  <a href="#">Yes</a>                           |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>        |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a> |
| Circularity Profile        |  <a href="#">End Of Life Information</a>       |