

# Product data sheet

Specifications



## Vacuum circuit breaker, EasyPact EXE, basic function, 12kV, 75kVp, 20kA, 3s, 1250A, 145mm, IEC

EXE122012A1B

### Main

|                                                             |                            |
|-------------------------------------------------------------|----------------------------|
| Range of product                                            | EasyPact EXE               |
| Device short name                                           | VCB base                   |
| Product or component type                                   | Circuit breaker            |
| Variant                                                     | Basic                      |
| Technology type                                             | Vacuum                     |
| Rated frequency (fr)                                        | 50/60 Hz                   |
| Standards                                                   | IEC 62271-100              |
| Rated voltage (Ur)                                          | 12 kV                      |
| Rated short-duration power-frequency withstand voltage (Ud) | 28 kV rms 50 Hz for 1 min  |
| Rated lightning impulse withstand voltage (Up)              | 75 kV peak                 |
| Rated current [Ik]                                          | 800 A                      |
| Phase distance                                              | 145 mm                     |
| Number of poles                                             | 3                          |
| Network type                                                | AC                         |
| Inter contact distance                                      | 270 mm                     |
| Rated short-circuit making current                          | 50 kA 50 Hz<br>52 kA 60 Hz |
| Rated short-time withstand current (Ik)                     | 20 kA rms 3 s              |
| Rated peak withstand current (Ip)                           | 50 kA 50 Hz<br>52 kA 60 Hz |
| Short-circuit current                                       | 20 kA                      |
| Control type                                                | Push-button                |
| Mounting mode                                               | Withdrawable<br>Fixed      |
| Protection type                                             | Without protection         |

### Complementary

|                          |                                                                                          |
|--------------------------|------------------------------------------------------------------------------------------|
| Rated operating sequence | O - 3 min - CO - 3 min - CO<br>O - 0.3 s - CO - 3 min - CO<br>O - 0.3 s - CO - 15 s - CO |
|--------------------------|------------------------------------------------------------------------------------------|

|                                                    |                                                        |
|----------------------------------------------------|--------------------------------------------------------|
| Operating time                                     | < 50 ms opening<br>< 66 ms breaking<br>< 71 ms closing |
| Charging time                                      | 0...7 s                                                |
| Number of mechanical operations                    | 10000 operating cycles, M2                             |
| Electrical endurance classification                | E2 list 1                                              |
| Rated line-charging breaking current (Ii)          | 10 A C2                                                |
| Rated cable-charging breaking current (Ic)         | 25 A C2                                                |
| Rated single capacitor bank-breaking current (Isb) | 400 A C2                                               |

## Environment

|                                       |             |
|---------------------------------------|-------------|
| Weight                                | 50 kg       |
| Height                                | 529 mm      |
| Width                                 | 470 mm      |
| Depth                                 | 429 mm      |
| Ambient air temperature for operation | -25...40 °C |
| Ambient air temperature for storage   | -25...55 °C |
| Product certifications                | ASEFA       |

## Packing Units

|                              |         |
|------------------------------|---------|
| Unit Type of Package 1       | PCE     |
| Number of Units in Package 1 | 1       |
| Package 1 Height             | 58.7 cm |
| Package 1 Width              | 80.0 cm |
| Package 1 Length             | 60.0 cm |
| Package 1 Weight             | 65.0 kg |
| Unit Type of Package 2       | P06     |
| Number of Units in Package 2 | 1       |
| Package 2 Height             | 60.0 cm |
| Package 2 Width              | 60.0 cm |
| Package 2 Length             | 80.0 cm |
| Package 2 Weight             | 65.0 kg |

## Offer Sustainability

|                            |                                                                                                                       |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                 |
| REACH Regulation           | <a href="#">REACH Declaration</a>                                                                                     |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)<br><a href="#">EU RoHS Declaration</a>                     |
| Mercury free               | Yes                                                                                                                   |
| RoHS exemption information | <a href="#">Yes</a>                                                                                                   |
| China RoHS Regulation      | <a href="#">China RoHS declaration</a><br>Product out of China RoHS scope. Substance declaration for your information |

Recommended replacement(s)