

# Product Datasheet

## Characteristic

28919

switch disconnecter, Compact INS63, 63A, with red rotary handle and yellow front, 4 poles



## Main

|                                             |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
|---------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range                                       | ComPact                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| Product name                                | ComPacT INS                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| product or component type                   | Switch disconnecter                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| poles description                           | 4P                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Network type                                | AC<br>DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| Network frequency                           | 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| [Ie] rated operational current              | AC-22A: 63 A AC 50/60 Hz 220/240 V<br>AC-22A: 63 A AC 50/60 Hz 380/415 V 2 poles in series<br>AC-22A: 63 A AC 50/60 Hz 440/480 V 4 poles in series<br>AC-22A: 63 A AC 50/60 Hz 500 V 4 poles in series<br>AC-23A: 40 A AC 50/60 Hz 500 V<br>AC-23A: 63 A AC 50/60 Hz 220/240 V<br>AC-23A: 63 A AC 50/60 Hz 380/415 V<br>AC-23A: 63 A AC 50/60 Hz 440/480 V<br>DC-22A: 63 A DC 50/60 Hz 125 V 2 poles in series<br>DC-23A: 63 A DC 50/60 Hz 125 V 2 poles in series<br>DC-22A: 63 A DC 50/60 Hz 250 V 4 poles in series<br>DC-23A: 63 A DC 250 V 4 poles in series |
| [Ui] rated insulation voltage               | 690 V AC 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| [Uimp] rated impulse withstand voltage      | 8 kV                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| [Ith] conventional free air thermal current | 63 A at 60 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| [Icm] rated short-circuit making capacity   | 15 kA switch-disconnector alone 500 V AC at 50/60 Hz<br>75 kA with upstream protection circuit breaker 500 V AC at 50/60 Hz                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| [Ue] rated operational voltage              | 500 V AC 50/60 Hz<br>250 V DC                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Suitability for isolation                   | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Contact position indicator                  | Yes                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Visible break                               | No                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Pollution degree                            | 3                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |

## Complementary

|                  |               |
|------------------|---------------|
| Control type     | Rotary handle |
| handle colour    | Red           |
| mounting mode    | Fixed         |
| mounting support | Plate         |

|                                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
|------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
|                                          | DIN rail                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Upside connection                        | Front                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| downside connection                      | Front                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| cable cross section                      | 1.5...50 mm²                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Maximum power                            | AC-23: 15 kW at 220/240 V AC 50/60 Hz<br>AC-23: 22 kW at 500/525 V AC 50/60 Hz<br>AC-23: 30 kW at 380/415 V AC 50/60 Hz<br>AC-23: 30 kW at 440 V AC 50/60 Hz                                                                                                                                                                                                                                                                                                                        |
| Rated duty                               | Uninterrupted                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| Intermittent duty class                  | Class 120 - 60 %                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| enclosure dimensions for lthe            | 190 mm x 115 mm x 55 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| [Icw] rated short-time withstand current | 0.067 kA during 20 s conforming to IEC 60947-3<br>1.73 kA during 3 s conforming to IEC 60947-3<br>3 kA during 1 s conforming to IEC 60947-3<br>5.5 kA during 30 s conforming to IEC 60947-3                                                                                                                                                                                                                                                                                         |
| Mechanical durability                    | 20000 cycles                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Electrical durability                    | AC-22A: 1500 cycles 220/240 V AC 50/60 Hz<br>AC-22A: 1500 cycles 380/415 V AC 50/60 Hz 4 poles in series<br>AC-22A: 1500 cycles 440 V AC 50/60 Hz<br>AC-22A: 1500 cycles 500 V AC 50/60 Hz<br>AC-23A: 1500 cycles 220/240 V AC 50/60 Hz<br>AC-23A: 1500 cycles 380/415 V AC 50/60 Hz<br>AC-23A: 1500 cycles 440 V AC 50/60 Hz<br>AC-23A: 1500 cycles 500 V AC 50/60 Hz<br>DC-22A: 1500 cycles 250 V DC 50/60 Hz 4 poles in series<br>DC-23A: 1500 cycles 250 V DC 4 poles in series |
| Connection pitch                         | 18 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Height                                   | 85 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Width                                    | 90 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| Depth                                    | 62.5 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| net weight                               | 0.6 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |

## Environment

|                                       |                              |
|---------------------------------------|------------------------------|
| Standards                             | IEC 60947-1<br>IEC 60947-3   |
| Product certifications                | CCC<br>KEMA-KEUR             |
| IP degree of protection               | IP40 conforming to IEC 60529 |
| IK degree of protection               | IK07 conforming to EN 50102  |
| Ambient air temperature for operation | -25...70 °C                  |
| Ambient air temperature for storage   | -50...85 °C                  |

## Packing Units

|                              |          |
|------------------------------|----------|
| Unit Type of Package 1       | PCE      |
| Number of Units in Package 1 | 1        |
| Package 1 Height             | 9.6 cm   |
| Package 1 Width              | 9.4 cm   |
| Package 1 Length             | 10.1 cm  |
| Package 1 Weight             | 649.0 g  |
| Unit Type of Package 2       | S03      |
| Number of Units in Package 2 | 18       |
| Package 2 Height             | 30.0 cm  |
| Package 2 Width              | 30.0 cm  |
| Package 2 Length             | 40.0 cm  |
| Package 2 Weight             | 12.09 kg |

## Offer Sustainability

|                          |                                                             |
|--------------------------|-------------------------------------------------------------|
| Sustainable offer status | Green Premium product                                       |
| REACH Regulation         | Free of Substances of Very High Concern above the threshold |
| REACH free of SVHC       | Yes                                                         |

|                            |                                                                                                                             |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| EU RoHS Directive          | Compliant                                                                                                                   |
| Toxic heavy metal free     | Yes                                                                                                                         |
| Mercury free               | Yes                                                                                                                         |
| China RoHS Regulation      | X                                                                                                                           |
| RoHS exemption information | Yes                                                                                                                         |
| Environmental Disclosure   | ENVPEP1304025                                                                                                               |
| Circularity Profile        | ENVEOLI1304025                                                                                                              |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |