



## Main

|                           |                                                            |
|---------------------------|------------------------------------------------------------|
| Device application        | Distribution                                               |
| Range of product          | Acti 9                                                     |
| Range                     | Acti 9                                                     |
| Product name              | IDPN-K                                                     |
| Product or component type | Miniature circuit-breaker                                  |
| Device short name         | IDPNa-K                                                    |
| Poles description         | 1P + N                                                     |
| Number of protected poles | 1                                                          |
| Neutral position          | Left                                                       |
| [In] rated current        | 16 A (Tref=30 °C)                                          |
| Network type              | AC                                                         |
| Trip unit technology      | Thermal-magnetic                                           |
| Curve code                | C                                                          |
| Breaking capacity         | Icn=4.5 kA (230 V AC, 50/60 Hz, conforming to IEC 60898-1) |
| Utilisation category      | Category A (conforming to IEC 60947-2)                     |
| Suitability for isolation | Yes (conforming to IEC 60947-2)                            |

## Complementary

|                                        |                                                                                                                                                                         |
|----------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Network frequency                      | 50/60 Hz                                                                                                                                                                |
| [Ue] rated operational voltage         | 230 V, AC 50/60 Hz                                                                                                                                                      |
| Magnetic tripping limit                | 5...10 x In                                                                                                                                                             |
| [Ics] rated service breaking capacity  | Ics=4.5 kA, (Ics=100 %Icn/Icu, conforming to IEC 60898-1), 230 V AC, 50/60 Hz                                                                                           |
| Limitation class                       | 3 conforming to IEC 60898-1                                                                                                                                             |
| [Ui] rated insulation voltage          | 400 V AC 50/60 Hz conforming to IEC 60947-2                                                                                                                             |
| [Uimp] rated impulse withstand voltage | 4 kV (conforming to IEC 60947-2)                                                                                                                                        |
| Contact position indicator             | Yes                                                                                                                                                                     |
| Control type                           | Toggle                                                                                                                                                                  |
| Local signalling                       | ON/OFF indication                                                                                                                                                       |
| Mounting mode                          | Clip-on                                                                                                                                                                 |
| Mounting support                       | DIN rail                                                                                                                                                                |
| 9 mm pitches                           | 2                                                                                                                                                                       |
| Height                                 | 89.6 mm                                                                                                                                                                 |
| Width                                  | 18 mm                                                                                                                                                                   |
| Depth                                  | 74 mm                                                                                                                                                                   |
| Product weight                         | 122 g                                                                                                                                                                   |
| Mechanical durability                  | 20000 cycles                                                                                                                                                            |
| Electrical durability                  | 20000 cycles                                                                                                                                                            |
| Connections - terminals                | Rigid, without cable end: 1...16 mm². (tunnel type terminals, top or bottom)<br>Flexible, with or without cable end: 1...16 mm². (tunnel type terminals, top or bottom) |
| Wire stripping length                  | 14 mm power circuit                                                                                                                                                     |
| Tightening torque                      | 2 N.m power circuit                                                                                                                                                     |
| Earth-leakage protection               | Without                                                                                                                                                                 |

## Environment

|                                       |                                |
|---------------------------------------|--------------------------------|
| Standards                             | IEC 60898-1<br>GB 10963.1      |
| Product certifications                | CCC<br>CE                      |
| IP degree of protection               | IP20 (conforming to IEC 60529) |
| Pollution degree                      | 2 (conforming to IEC 60947-2)  |
| Tropicalisation                       | 2 (conforming to IEC 60068-1)  |
| Relative humidity                     | 95 % 55 °C                     |
| Ambient air temperature for operation | -25...60 °C                    |
| Ambient air temperature for storage   | -40...80 °C                    |

## Offer Sustainability

|                                  |                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------|
| Sustainable offer status         | Green Premium product                                                                 |
| RoHS (date code: YYWW)           | Compliant - since 1111 - <a href="#">Schneider Electric declaration of conformity</a> |
| REACH                            | Reference not containing SVHC above the threshold                                     |
| Product environmental profile    | Available                                                                             |
| Product end of life instructions | Need no specific recycling operations                                                 |