



### Main

|                             |   |
|-----------------------------|---|
| Range                       | Acti 9                                  |
| Product name                | Acti 9 PRD1 Master                      |
| Product or component type   | Surge arrester with pluggable cartridge |
| Device short name           | PRD1 Master                             |
| Device application          | Distribution                            |
| Poles description           | 3P                                      |
| Remote signalling           | With                                    |
| Signal contacts composition | 1 SD (1 C/O)                            |
| Surge arrester type         | Electrical distribution network         |
| Earthing system             | TN-C                                    |

### Complementary

|   |  |
|---|--|
| Surge arrester class type                 | Type 1   |
| Surge arrester technology                 | Spark gap  |
| [Ue] rated operational voltage            | 230 V (+/- 10 %) AC 50 Hz<br>400 V (+/- 10 %) AC 50 Hz   |
| Nominal discharge current                 | Common mode : 25 kA L/PE   |
| [Iimp] impulse current                    | Common mode : 25 kA L/PE 12.5 A.s  |
| [Uc] maximum continuous operating voltage | Common mode : 350 V L/PE   |
| [Up] voltage protection level             | 1.5 kV type 2 common mode L/PE   |
| [Ut] temporary overvoltage                | Withstand : 1200 V N/PE for 200 ms<br>Withstand : 415 V L/N for 5 s<br>Safe failure mode : 440 V L/N for 7200 ms   |
| [If] follow current                       | 100 A common mode N/PE<br>50 kA differential mode L/N  |
| Disconnecter device type                  | Associated fuse gG 315 A according to standard<br>Associated circuit breaker Compact NSX100F 100 A curve C - Icu 36 kA<br>Associated circuit breaker Compact NSX100N 100 A curve C - Icu 50 kA |
| Short-circuit withstand                   | 50 kA  |
| Local signalling                          | Flag color: white/red  |
| Signalling circuit voltage                | 1 A/250 V AC<br>1 A/30 V DC  |
| Mounting mode                             | Clip-on  |

|                         |   |
|-------------------------|---|
| Mounting support        | DIN rail  |
| 9 mm pitches            | 12  |
| Height                  | 90 mm   |
| Width                   | 108 mm  |
| Depth                   | 71 mm   |
| Product weight          | 1175 g  |
| Colour                  | Anthracite grey ( RAL 7016 )  |
| Material                | PBT (polybutylene terephthalate)  |
| Response time           | < 100 ns  |
| Connections - terminals | Tunnel type terminal, top or bottom 10...35 mm <sup>2</sup> cable(s) rigid<br>Tunnel type terminal, top or bottom 10...25 mm <sup>2</sup> cable(s) flexible |
| Tightening torque       | 4.5 N.m   |

## Environment

|                                       |   |
|---------------------------------------|---|
| Standards                             | EN 61643-11 : 2012<br>IEC 61643-11 : 2011   |
| Product certifications                | CE  |
| Quality labels                        | KEMA-KEUR   |
| IP degree of protection               | On front face : IP40 conforming to IEC 60529<br>Built-in : IP20 conforming to IEC 60529 |
| IK degree of protection               | IK05 conforming to IEC 62262  |
| Relative humidity                     | 5...95 %  |
| Operating altitude                    | 2000 m  |
| Ambient air temperature for operation | -25...60 °C   |
| Ambient air temperature for storage   | -40...80 °C   |

## Offer Sustainability

|                        |   |
|------------------------|---|
| RoHS (date code: YYWW) | Compliant - since 0601 - Schneider Electric declaration of conformity<br><a href="#">Schneider Electric declaration of conformity</a> |
| REACH                  | Reference not containing SVHC above the threshold<br><a href="#">Reference not containing SVHC above the threshold</a>                |

## Contractual warranty

|                 |           |
|-----------------|-----------|
| Warranty period | 18 months |
|-----------------|-----------|