



### Main

Range of product	SPD
Device short name	PRD1 Master
Poles description	1P + N
Surge arrester type	Electrical distribution network
Earthing system	TN-S TT

### Complementary

Remote signalling	With
Surge arrester class type	Type 1
Surge arrester technology	Spark gap
[Ue] rated operational voltage	230 V AC 50 Hz 400 V AC 50 Hz
Nominal discharge current	Common mode: 100 kA N/PE Differential mode: 25 kA L/N
[Iimp] impulse current	Common mode: 100 kA N/PE 100 kA 50 A s Differential mode: 25 kA L/N 25 kA 12.5 A s
[Uc] maximum continuous operating voltage	Common mode: 350 V N/PE Differential mode: 350 V L/N
[Up] voltage protection level	1.5 kV type 2 common mode N/PE 1.5 kV type 2 differential mode L/N
[If] follow current	0.1 kA common mode N/PE 50 kA differential mode L/N
Associated fuse rating	315 A type: gG
Disconnecter device type	Associated circuit breaker 80 A Icu 50 kA at 230 V Associated circuit breaker 80 A Icu 36 kA at 400 V Associated circuit breaker 80 A Icu 50 kA at 400 V Associated circuit breaker 80 A Icu 36 kA at 230 V
Local signalling	Flag colour: white/red
Signalling circuit voltage	AC: 250 V
Signalling output current	1 A
Mounting mode	Fixed
Mounting support	35 mm symmetrical DIN rail
9 mm pitches	8
Height	90 mm
Width	71.6 mm
Depth	70 mm
Product weight	0.732 kg
Colour	Anthracite grey ( RAL 7016 )
Material	PBT (polybutylene terephthalate)
Response time	< 100 ns
Connections - terminals	Tunnel type terminal phase and neutral 35 mm <sup>2</sup> Tunnel type terminal ground 35 mm <sup>2</sup>
Tightening torque	4.5 N.m

## Environment

Standards	EN 61643-11 IEC 61643-1
IP degree of protection	On front face: IP40 On terminal: IP20
IK degree of protection	IK05
Relative humidity	5...90 %
Operating altitude	2000 m
Ambient air temperature for operation	-25...60 °C
Ambient air temperature for storage	-40...80 °C