



Main

Range of product	PRF1 master
Range	Multi 9
Product name	Multi 9 PRF1
Product or component type	Surge arrester
Device short name	PRF1
Device application	Distribution
Poles description	1P
Remote signalling	Without
Surge arrester type	Electrical distribution network
Earthing system	IT

Complementary

Surge arrester class type	Type 1
Surge arrester technology	Spark gap
[Ue] rated operational voltage	230 V (+/- 10 %) AC 50/60 Hz
Nominal discharge current	50 kA
[Iimp] impulse current	Common mode : 35 kA L/PE 17.5 A.s
[Uc] maximum continuous operating voltage	Common mode : 440 V L/PE
[Up] voltage protection level	1.5 kV type 1 common mode L/PE
[If] follow current	50 kA common mode L/PE
Disconnecter device type	Associated circuit breaker Compact NSX160F 160 A curve C - Icu 36 kA Associated circuit breaker Compact NSX160N 160 A curve C - Icu 50 kA Associated circuit breaker Compact NSX160B 160 A curve C - Icu 10 kA Associated circuit breaker Compact NSX160B 160 A curve C - Icu 15 kA Associated circuit breaker Compact NSX160B 160 A curve C - Icu 25 kA
Local signalling	LED color: green
Mounting mode	Clip-on
Mounting support	DIN rail
9 mm pitches	4
Height	151.5 mm
Width	36 mm
Depth	81 mm

Colour	Anthracite grey (RAL 7016)
Response time	<= 1 µs
Connections - terminals	Tunnel type terminal, top or bottom 10...50 mm ² cable(s) rigid Tunnel type terminal, top or bottom 10...35 mm ² cable(s) flexible
Tightening torque	2.5 N.m
Impulse current	35 kA
Compatibility code	PRF1_MASTER
Market segment	Small commercial

Environment

Standards	EN 61643-11 IEC 61643-11
Product certifications	CE
IP degree of protection	On front face : IP40 conforming to IEC 60529 On terminal : IP20 conforming to IEC 60529
IK degree of protection	IK05 conforming to IEC 62262
Relative humidity	5...95 %
Ambient air temperature for operation	-25...60 °C
Ambient air temperature for storage	-40...85 °C

Contractual warranty

Warranty period	18 months
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