Product data sheet
Characteristics

R9S06291
switch disconnector, Resi9, 2P, 100A



Main

Range of product	Resi9
Product or component type	Switch disconnector
Device application	Switch
Poles description	2P
Utilisation category	AC-22A
Suitability for isolation	Yes
Standards	IEC 60947-3
Quality labels	RCM

Complementary

[Ie] rated operational current	100 A at 400 V AC 50/60 Hz
[Ue] rated operational voltage	400 V AC 50/60 Hz
Network frequency	50/60 Hz
[Icm] rated short-circuit making capacity	5 kA 400 V AC at 50/60 Hz
[Icw] rated short-time withstand current	1500 A during 1 s conforming to IEC 60947-3 at 400 V
[Ith] conventional free air thermal current	100 A
Maximum power	AC-22A: 9.4 kW at 400 V AC 50/60 Hz
[Ui] rated insulation voltage	500 V AC 50/60 Hz
[Uimp] rated impulse withstand voltage	6 kV
Control type	Toggle
Local signalling	ON/OFF indication
Contact position indicator	Yes
Mounting mode	Clip-on
Mounting support	DIN rail
Comb busbar and distribution block compatibility	Top or bottom: YES
Connection pitch	18 mm
9 mm pitches	4
Height	85 mm
Width	36 mm
Depth	75 mm
Net weight	161 g
Colour	White (RAL 9003)
Mechanical durability	20000 cycles
Electrical durability	AC-22A: 10000 cycles 400 V AC 50/60 Hz
Connections - terminals	Tunnel type terminals (top or bottom) - 6...50 mm² - rigid Tunnel type terminals (top or bottom) - 6...35 mm² - flexible
Wire stripping length	14 mm for top or bottom connection
Tightening torque	3.5 N.m top or bottom

Environment

IP degree of protection	IP20
Pollution degree	3
Overvoltage category	IV
Tropicalisation	Severity B conforming to IEC 60068-2-30
Relative humidity	95 % at 55 °C

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Ambient air temperature for operation	-25…70 °C
Ambient air temperature for storage	-40…85 °C

Packing Units

Unit Type of Package 1	PCE
Number of Units in Package 1	1
Package 1 Height	7.85 cm
Package 1 Width	3.6 cm
Package 1 Length	9.4 cm
Package 1 Weight	0.167 kg

Offer Sustainability

EU RoHS Directive	Under investigation
Environmental Disclosure	Product Environmental Profile