



DATA SHEET

Article number : 09981062

switch-disconnectors

RH 063-300

modular switch to isolate the supply for system parts



Function

Switch-disconnectors and main switches are able to separate electrical devices or even system parts from the mains completely at all poles for maintenance purposes, even under load or overload. For safe, reliable disconnection, the isolating distances run from pole to pole and also from input to output, importantly. Main switches are prescribed for these purposes in some areas by the technical connection conditions of the electrical supply company. The devices in series RH are modular main load switches with disconnector function, with contacts that are very durable. The design facilitates the use of an interlock and meets international design regulations.

Features

modular design, high short-circuit resistance and high switching capacity, double-sided two-tier terminals for large conductor cross-section and busbar, switch position indicator, step function when switching on

Mounting

quick fastening to mounting rail, any installation position

Applications

The devices of series RH can be used universally, for example in industrial and building systems or in domestic installations.

Notes

The designation for the devices in the RH series includes the rated current (first pair of digits) and the contact variant (last pair of digits), that are in this order: NOC, NCC and changeover contact. A 'RH 063-300' therefore has a rated current of 63 A, three normally open contacts and no normally closed or changeover contacts.

Accessories

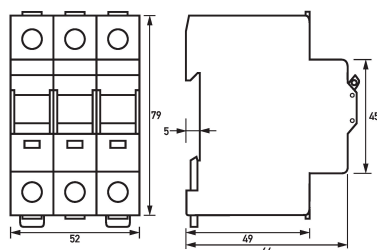
terminal caps KA, restart locks RH-SPE

Technical data

Series	RH 300
Specification	load circuit
Polzahl (gesamt)	load disconnect contact
Rated voltage (AC)	3
Rated current (AC)	240 V, 415 V
Rated short-circuit current	63 A
Rated insulation voltage	12.5 kA
Rated impulse withstand voltage	690 V
Rated frequency	6 kV
Allowed utilization category	50 Hz, 60 Hz
Current heat loss per current path	AC-21b, AC-22a, AC-22b, AC-23a, AC-23b, AC-21a
Short-circuit backup-fuse SCPD	4.83 W
Back-up fuse type	125 A
Protection against direct contact	gG
Clamping area	lift terminal, captive top, bottom (load circuit)
Tightening torque	DGUV V3
Thickness busbar	2.5 mm ² ... 50 mm ²
Operating position	2.5 Nm ... 5 Nm
Mechanical endurance	0.8 mm ... 2 mm
	General data
	optional
	min. 16000 switching cycles

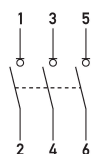
Electrical endurance	min. 3000 switching cycles
Storage temperature	-40 °C ... 70 °C
Ambient temperature	-20 °C ... 45 °C
Housing type	distribution board housing
Installation type	Mounting rail (35 mm)
Protection class	IP20 (installed: IP40)
Width	52 mm
Height	79 mm
Depth	72 mm
Installation depth	67 mm
Module widths	3
Weight	0.299 kg
Design requirements/Standards	EN 60947-1, EN 60947-3, EN 60669-1, EN 60669-2-4, VDE 0632
Degree of pollution	3
Certifications	VDE

Dimensions



Dimensioned drawing switch-disconnectors RH 063-300

Wiring example



Wiring example switch-disconnectors RH 063-300