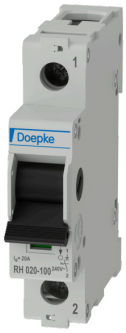


DATA SHEET

switch-disconnectors

RH 020-100

modular switch to isolate the supply for system parts

Article number 09981053

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

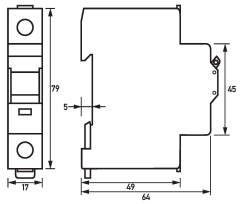
terminal caps KA, restart locks RH-SPE

Technical Data

Technical Data	RH 020-100
Series	RH 100
Handling	complete device in housing
	load circuit
Specification	load disconnect contact
Number of poles (total)	1
Rated voltage (AC)	240 V
Rated current (AC)	20 A
Rated short-circuit current	12.5 kA
Rated insulation voltage	690 V
Rated impulse withstand voltage	6 kV
Rated frequency	50 Hz, 60 Hz
Allowed utilization category	AC-21b, AC-22a, AC-22b, AC-23a, AC-23b, AC-21a
Current heat loss per current path	0.6 W
Short-circuit backup-fuse SCPD	125 A
Back-up fuse type	gG

Technical Data	RH 020-100
	lift terminal, captive top, bottom (load circuit)
Protection against direct contact	DGUV V3
Clamping area	2.5 mm² ... 50 mm²
Tightening torque	2.5 Nm ... 5 Nm
Thickness busbar	0.8 mm ... 2 mm
	General data
Operating position	optional
Mechanical endurance	min. 16000 switching cycles
Electrical endurance	min. 3000 switching cycles
Ambient temperature	-20 °C ... 45 °C
Housing type	distribution board housing
Installation type	Mounting rail (35 mm)
Protection class	IP20 (installed: IP40)
Width	17 mm
Height	79 mm
Depth	72 mm
Installation depth	67 mm
Module widths	1
Weight	0.098 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



Dimensional drawing Group view

Wiring example

Wiring diagram