



symbolic image

## DATA SHEET

### switch-disconnectors

#### RH 100-400

modular switch to isolate the supply for system parts

Article number 09981066



[Internetlink](#)



#### 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 disconnecter 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 group of digits) and the contact design (final group of digits), which is listed in the following order: normally closed contact, normally opened contact and changeover contact. A "RH 063-300" therefore has a rated current of 63 A, three normally opened contacts and no normally closed contacts or changeover contacts.

#### Accessories

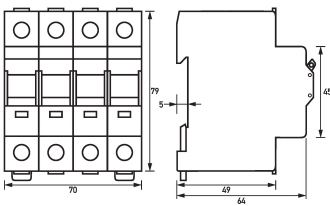
terminal caps KA, restart locks RH-SPE

#### Technical Data

Technical Data	RH 100-400
Series	RH 400
Handling	complete device in housing load circuit
Specification	load disconnect contact
Number of poles (total)	4
Rated voltage (AC)	240 V, 415 V
Rated current (AC)	100 A
Rated short-circuit current	10 kA
Rated insulation voltage	690 V
Rated impulse withstand voltage	6 kV
Allowed utilization category	AC-21b, AC-22a, AC-22b, AC-23a, AC-23b, AC-21a
Current heat loss per current path	3.88 W
short-circuit backup-fuse SCPD	125 A
Back-up fuse type	gG

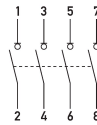
Technical Data	RH 100-400
	lift terminal, captive top, bottom (load circuit)
Protection against direct contact	DGUV V <sub>3</sub>
Clamping area	2.5 mm <sup>2</sup> ... 50 mm <sup>2</sup>
Tightening torque	2.5 Nm ... 5 Nm
Thickness busbar	0.8 mm ... 2 mm
	General data
Operating position	optional
Mechanical endurance	min. 16000 switching cycles
Electrical endurance	min. 3000 switching cycles
Ambient temperature	-20 °C ... 45 °C
Housing type	distribution board housing
Mounting type	Mounting rail (35 mm)
Protection class	IP20 (installed: IP40)
Width	70 mm
Height	79 mm
Depth	72 mm
Installation depth	67 mm
Width (modules)	4
Design requirements/Standards	EN 60947-1, EN 60947-3, EN 60669-1, EN 60669-2-4, VDE 0632
Degree of pollution according to EN 60664	3

**Dimensions**



Dimensional drawing Group view

**Wiring example**



Wiring diagram