symbolic image

DATA SHEET

miniature circuit-breakers

ELS 3 B16/1+N

Compact design

Article number 09915024

Internetlink

6000 -25

Function

The function of miniature circuit-breakers is to automatically cut off circuits to protect cables and connected devices. After being cut off, they can be switched back on manually without fuse inserts, for example, having to be replaced. All of our miniature circuit-breakers have a trip-free mechanism that guarantees reliable switch-off, even for mechanically blocked switch toggles for example. Miniature circuit-breakers from series ELS have a compact design. A guide phase and neutral conductor (1+N) are monitored at a width of only 1 TE. Furthermore, they feature a contact position indicator and protection against wires behind lodged behind terminals. They can be used for rated short-circuit currents up to 6 kA. Switches with tripping characteristic B ensure the standard protection for lighting and socket circuits.

Features

high-quality miniature circuit-breakers 1+N in 1 module width unit for space-saving installation, switching position indicator red/green, Protection against wires being lodged behind terminals, extensive range of accessories which can be retro-fitted, rated switching capacity 6 kA as per EN 60898

Mounting

quick fastening to mounting rail, any installation position

Applications

suitable for use in power supplies for industrial facilities and purpose-built buildings or buildings for commercial use

Accessories

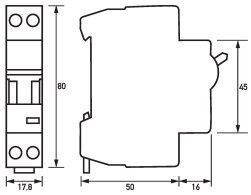
auxiliary switches DHi, restart locks RH-SPE

Technical Data

Technical Data	ELS 3 B16/1+N
Series	ELS 3
Number of poles	1+N
Tripping characteristic	B
	load circuit
Specification	load disconnect contact
Rated voltage (AC)	230 V
Rated current (AC)	16 A
Rated short-circuit current	6 kA
Rated frequency	50 Hz, 60 Hz
Current heat loss per current path	1.4 W
Overvoltage class	III
	screw-type terminal top and bottom (load circuit)
Connection C1 Maximum number of conductors per terminal	(conductors of same type and cross-section)
Cross section solid	1-wire: 1 mm² ... 10 mm²

Technical Data	ELS 3 B16/1+N
Cross section stranded	1-wire: 1 mm² ... 10 mm²
Tightening torque	max. 2.5 Nm
	General data
Operating position	optional
Ambient temperature	-25 °C ... 50 °C
Housing type	distribution board housing
Installation type	Mounting rail (35 mm)
Housing material	thermoplastic
Protection class	IP40
sealable	true
Width	17.8 mm
Height	80 mm
Depth	72 mm
Installation depth	66 mm
Module widths	1
Design requirements/Standards	EN 60898-1
Power limitation category	3
Degree of pollution according to EN 60664	2

Dimensions



Dimensional drawing Group view

STEP file

Wiring example

Wiring diagram