



DATA SHEET

automatic reclosing devices

DFA 3 024DC-3

for RCCB DFS 2/4 up to 125 A, 24 V AC/DC

Article number 09100143



Function

Automatic reclosing devices (ARDs) or remote actuators are generally used to increase system availability. Usually flange-mounted to the side of the corresponding circuit-breaker devices, they are able to reclose or open these devices remotely. According to the relevant device standard, ARDs must be capable of blocking if an installation fault is detected. In this case, remote switching is not possible and manual intervention is necessary. Devices from the DFA 3 series are extremely compact remote actuators for the DFS 2 and DFS 4 residual current circuit-breakers across the entire rated current range. They are available in the versions without and with three restart attempts. If the latter version recognises all attempts as unsuccessful, it blocks any further switching operations. All designs have the option of a manual switch-off and a semiconductor output, which signals the status of the flange-mounted RCCB.

Features

retro-fittable remote actuator for Doepke residual current circuit-breakers of series DFS 2 and DFS 4, extremely compact design, installation width of 1 MW, designs without and with three activation attempts available

Mounting

mounting by clamping to the left of the residual current circuit-breaker, quick fastening to mounting rail, any installation position

Applications

Remote actuators can be used anywhere where electrical installation are difficult to access or where high system availability should be achieved, This might be on agricultural premises, in small wind power stations, photovoltaic installations, charging stations for electric vehicles, pump stations, sewage treatment plants and telecommunications systems.

Notes

According to the standard, automatic restart is only permitted in areas where only trained electricians have access. The remote actuator does not affect the function of the residual current circuit-breaker.

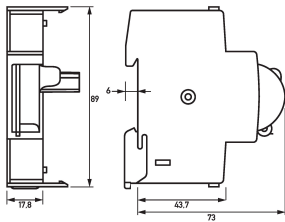
Technical Data

Technical Data	DFA 3 024DC-3
Series	DFA 3
Specification drive mechanism	Motor drive
max. Rated current main contact unit	125 A
Number of automatic switch-on attempts	3
Remote release	false
Remote disconnection	true
Remote connection	true
Mounting side	left
Operating voltage (DC)	24 V (21.6 V ... 26.4 V)
Current consumption (DC)	0.013 A ... 2 A
Display (status output)	
Number	1
Type	luminescent panel (multicoloured)
control input	

Subject to technical changes

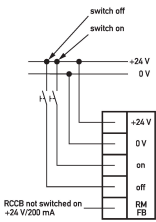
Technical Data		DFA 3 024DC-3
Rated voltage (DC)		24 V (21.6 V ... 26.4 V)
Rated power		0.002 VA
Bounce time of push buttons		10 ms
min. Pulse duration control input		60 ms
		switching output
Specification		semiconductor
Rated voltage (DC)		24 V (21.6 V ... 26.4 V)
Rated current (DC)		0.2 A
Rated power		max. 4.8 VA
		screw-type terminal top (control input, switching output)
Clamping area		0.3 mm² ... 1.5 mm²
Tightening torque		max. 0.25 Nm
		General data
Duty cycle		continuous operation
Recovery time		15 s
Operating position		optional
Ambient temperature		-25 °C ... 60 °C
Permissible humidity		max. 85 %
Housing type		distribution board housing
Installation type		Mounting rail (35 mm), Device extension
Housing material		polycarbonate (PC)
Protection class		IP20
Width		17.3 mm
Height		85 mm
Depth		73 mm
Installation depth		67 mm
Module widths		1
Weight		0.112 kg
Design requirements/Standards		EN 55014, EN 63024

Dimensions



Dimensional drawing Group view

Wiring example



Wiring diagram