DATA SHEET

interfaces

DRCCB 5 CM-M

for remotely monitoring the DRCCB 5

Article number 09200060

Function

Optional devices apply as accessories to the main product classes. Devices in this series make it possible to connect third-party systems to residual current circuit-breakers from the DRCCB 5 series. They allow available switch information to be visualised and selected functions to be controlled. In this design, the devices offer a RS-485 interface with the "Modbus I RTU" protocol. Thanks to the physical design, it is possible to operate up to 99 modules in one network. It is possible to communicate with many visualisation systems thanks to the modbus protocol used.

Features

Modbus I RTU protocol via RS-485 interface, provides access to the circuit-breaker's status display (on/off/triggered) and further information, Performs the self-test function with recording, Configuration of the potential-free contact, Up to 99 interfaces possible in one network, low dissipation power of just 1 W

Mounting

mounting by clamping to the right of the basic device

Applications

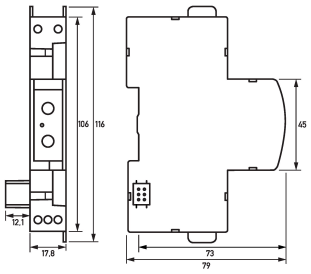
Remote monitoring of power supplies to residential and purpose-built buildings as well as industrial facilities such as agricultural operations, Remote stations with electrical consumers, Wind power stations, Pumping stations, Water treatment plants, Telecommunication systems, Radio and transmission equipment, Solar power plants

Technical Data

Technical Data	DRCCB 5 CM-M
Series	DRCCB 5 CM
	serial interface (RS 485)
Protocols	Modbus I-RTU
Transmission rate	38400 bit/s
Operating voltage (AC)	230 V (195.5 V ... 253 V)
Operating frequency	50 Hz
Rated impulse withstand voltage	4 kV
	screw-type terminal top and bottom (serial interface)
Clamping area	max. 2.5 mm²
Tightening torque	max. 0.4 Nm
	General data
Ambient temperature	-25 °C ... 60 °C
Housing type	distribution board housing
Installation type	Mounting rail (35 mm)
Width	29.9 mm
Height	116 mm
Depth	79 mm
Installation depth	73 mm
Module widths	1

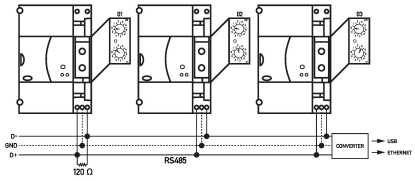
Technical Data	DRCCB 5 CM-M
Weight	0.18 kg

Dimensions



Dimensional drawing Group view

Wiring example



Wiring diagram