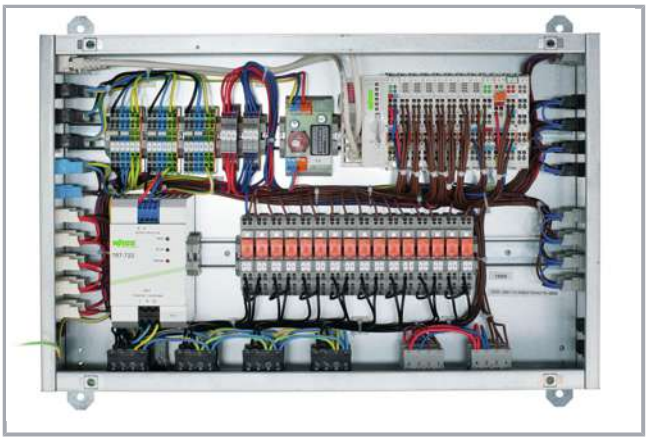
Data sheet | Item number: 2854-300/1016-032

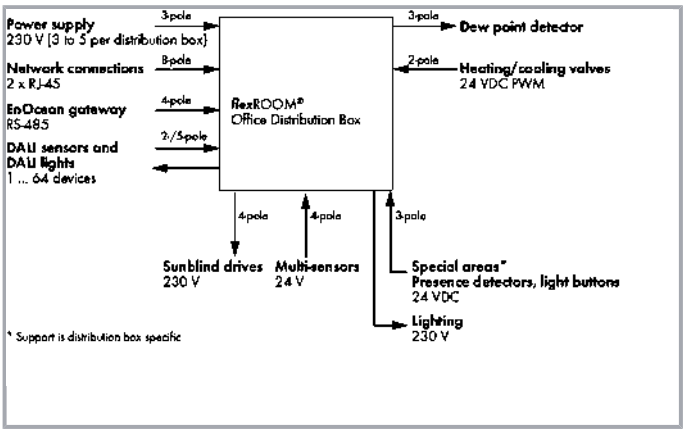
Office distribution box; Type 1; 16 axes

www.wago.com/2854-300_1016-032

RoHS ✓ Compliant

BOMcheck.net





Subject to changes. Please also observe the further product documentation!

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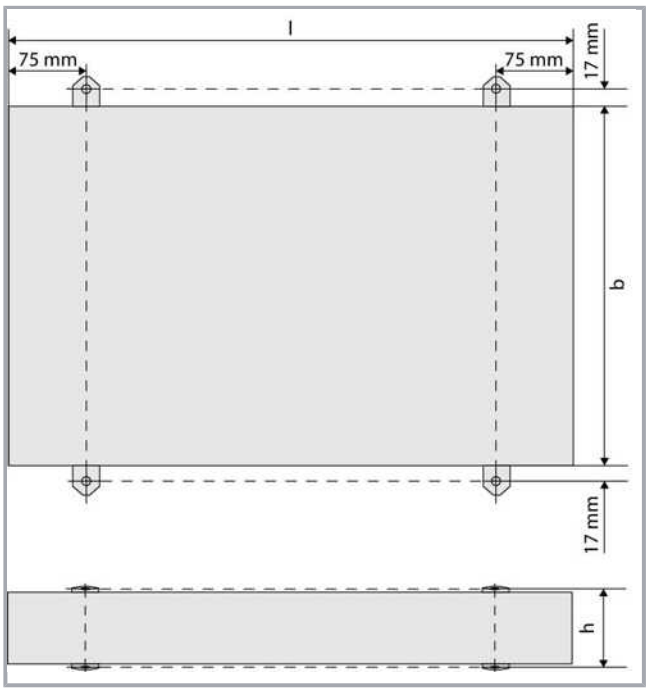

Item description

The **flex**ROOM® Office Distribution Boxes support the automation of both commercial and functional buildings (offices) with floor plans based on a room axis concept. The boxes automate both lighting and sun protection, while performing single-room control (heating/cooling) for up to 24 room axes. In addition to the room axes, special areas (e.g., stairways, corridors, sanitary facilities) may be automated via specialty **flex**ROOM® Distribution Boxes.

Control is performed via WAGO 750-884 Application Controller, which is included in the **flex**ROOM® Distribution Box and preloaded with a **flex**ROOM® Office Application. Initial commissioning (IP address assignment via BootP server) can be performed via WAGOupload PC software.

A standard Web browser performs both initial room axis configuration and later reconfiguration directly on the distribution box's controler.

Several **flex**ROOM® Distribution Boxes can be combined into a network via ETHERNET. A standard Web browser also establishes communication between the distribution boxes. A **flex**ROOM® Distribution Box for weather stations can transmit weather data (e.g., outside temperature or wind alarms) to other **flex**ROOM® Distribution Boxes for further processing.

For the connection of higher-level management stations, each **flex**ROOM® Distribution Box provides data in MODBUS tables, that can be read and partly be written by the stations. Configuration data of the **flex**ROOM® Distribution Boxes can cyclically be saved either directly on the included controller or on a separate computer.

The **flex**ROOM® Distribution Box is equipped with WAGO WINSTA® Connection Technology. The **flex**ROOM® Distribution Boxes differ from each other in the number of room axes, the support of specialty application areas, various functions depending on the inputs and outputs used.

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Data

Technical Data

Visualization	Web Visu
Baud rate	10/100 Mbit/s
Transmission medium	Twisted Pair S-UTP; 100 Ω; Cat. 5; 100 m maximum cable length
Transmission performance	Class D per EN 50173
Load switching voltage range	Sunblind drives: ±10 %; Lighting (DALI): ±10 %; Lighting (relays): ±10 %
Switching power	Sunblind drives: 300 W (AC3); Lighting (DALI): 3600 VA in total; Heating/cooling valves: 6 W (temporary), 3 W (average); Lighting (relays): 3600 VA in total with DALI lighting fixtures
Power supply	230 VAC, 50 … 60 Hz

Connection data

Connection technology: communication/fieldbus	EtherNet/IP: 2 x RJ-45; Modbus TCP/UDP: 2 x RJ-45

Geometrical Data

Width	500 mm / 19.685 inch
Height from upper-edge of DIN-35 rail	150 mm / 5.906 inch
Depth	550 mm / 21.654 inch

Mechanical data

Type of mounting	Wall, screw mount

Material Data

Fire load	59.839 MJ

Environmental Requirements

Surrounding air (operating) temperature	-5 … 45 °C
Surrounding air (storage) temperature	-20 … 70 °C

Commercial data

Packaging type	BOX

Counterpart

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Downloads

Documentation

Manual

flexROOM®-Office-Verteiler T1 A16 Typ 1, 16 Achsen, ohne Sonderbereiche	V 1.0.2	pdf 1.9 MB	Download
flexROOM®-Office-Applikation Zur Konfiguration von Systemverteilern, die einen Applikationscontroller 750-884 enthalten	V 1.0.2	pdf 10.0 MB	Download

Quick-Start Guide

Schema für flexROOM®-Office-Verteiler 2854-0300/1016-0032		pdf 1.2 MB	Download
Schnellstartanleitung flexROOM		pdf 479.3 kB	Download
flexROOM Office-Verteiler Zubehörliste		pdf 165.7 kB	Download

Bid Text

Steckerset flexROOM-Office-Verteiler 2854-0300/1016-0032		pdf 7.0 kB	Download
2854-0300/1016-0032 GAEB X81 - Datei	Nov 20, 2014	xml 4.5 kB	Download
2854-0300/1016-0032 doc - Datei	Nov 20, 2014	doc 30.2 kB	Download
Leittext_flexROOM-Office Verteiler 2-Rohr-System.doc		doc 38.9 kB	Download
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Ausschreibungstexte zum Zubehör		zip 63.5 kB	Download

Additional Information

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Disposal; Electrical and electronic equipment, Packaging	V 1.0.0	pdf 265.8 kB	Download
Planungsbeispiel für flexROOM®-Office-Verteiler		pdf 96.8 kB	Download
Steckerset flexROOM-Office-Verteiler 2854-0300/1016-0032		pdf 7.0 kB	Download

Compatibility Information

VDI3813-Liste flexROOM-Office-Verteiler 2854-0300/1016-0032		zip 46.9 kB	Download

Engineering-Software

Configuration and Commissioning Software

WAGO flexROOM-Auswahltool Excel-Hilfstool für die Auswahl von flexROOM®	1.1 Oct 12, 2012	zip 9.3 MB	Download

CAD/CAE-Data

CAE data

WSCAD Universe 2854-300/1016-032		URL	Download

Installation Notes

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