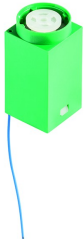


DFD22

22.11.2019

**Battery-free radio contact block (868.3 MHz)
for 3-position selector/key switches
with 22 mm bayonet**



General Data

Type reference	DFD22
Description	Transmitter module for wireless pushbutton, for 3-position selector and key actuators, battery-free
Approvals	CE, UKCA
Operation travel	6 mm
Max. storage temperature	-25°C ... 65°C
Max. operating temperature	-25°C ... 65°C
Mechanical life	100,000 switching cycles

Note

Antenna Lambda/4- whip antenna mounted
 Frequency/transmission performance 868.3 MHz / max. 10 mW EIRP
 Data rate 125 kbps
 Modulation type ASK
 Telegram type RPS Typ 2, 32-Bit-ID
 Min. time between activations 45 ms
 Transmission range 200 m free field resp. 30 m indoor, range strongly depending on the surrounding material and the position compared to other energy producers or metal surfaces
 Dimensions abt. 49.5 x 24.5 x 24.5 mm
 Humidity 0-93% RH non-condensing
 Transmission module: PTM330 (enocean)

Advantages:

- no energy supply necessary
- no additional wiring
- 200 m transmission range in the free field resp. 30 m indoor
- based on the EnOcean protocol
- easy programming of the receiver
- combinable with switches for 22 mm mounting diameter
- complies to the directive RED 2014/53/EU

Functional principle:

The energy required for the radio transmission is being provided via an electrodynamic power generator by operating the switch.

With the short energy pulse and with the transmitted polarity, a telegram with a 32-bit module ID of the respective switch and the switching position of the button is transmitted to the receiver.

With DFD22 two separate telegrams are being transmitted; usable with 3 position selector and key switches.

Please note:

- For DFD22 a receiver with at least 2 channels is required
- Upon teaching in the wireless module DFD22 the position of the switch in relation to the DFD22 must not be turned any more, as otherwise the channels could possibly be reversed. As a precaution, please carry out appropriate tests after modification or change!
- Only suitable for Schlegel switches with 6 mm operating travel and two-p



