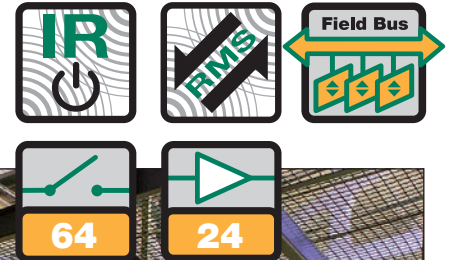


# Radio Receiver FW50-E

## Housing versions B and C



### Compatible with:

## Radio Transmitter FW53-S

*Extended interface options are the special functions of radio receiver FW50-E with the housing versions B and C in comparison with the standard receiver (housing A) to meet the most varied of customer requirements.*



Transmitters FW53-S with a variety of drive functions (such as multi-stage drives with separated acceleration levels or drive functions with proportional control) usually require the use of a radio receiver with the housing version B or C, respectively.



The radio receiver FW50-E distinguishes itself by its extraordinarily compact construction and offers the necessary components to meet the criteria of the category 3 PL d according to EN ISO 13849-1:2006 (two separated emergency stop circuits).

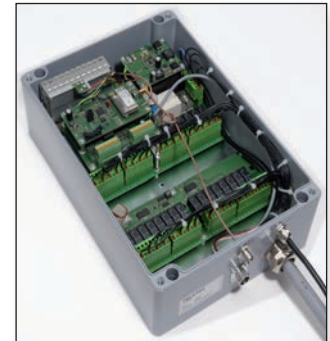
Moreover, this receiver can be operated together with a field bus coupling and/or a checkback function.

The execution in a robust aluminum housing is perfectly suited for industrial applications and guarantees a long and maintenance-free service life with variable and user-friendly connection features.

# Radio Receiver FW50-E

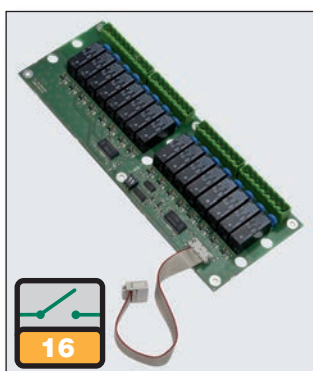
## Housing versions B and C

Radio Receiver	
Type	FW50-E
Version	FW50-E (housing versions B and C)
Output relays	up to 64 (3 A / 250 VAC)
Proportional outputs (opt.)	(0...5 V, 0...10 V, 0 ± 5 V, 0 ± 10 V, 4...20 mA)
Field bus (optional)	Profibus-DP, CAN (CAN-Open)
Other features	customized RS485 protocol
Supply voltage	48 VAC, 110 VAC, 230 VAC, 50/60 Hz, 12 to 24 VDC
Power consumption	≤ 30 VA (according to the configuration level)
Infrared release (optional)	yes
Checkback mode (optional)	yes
Frequency range	433.075 to 434.750 MHz / 869.725 to 869.975 MHz
RF sensitivity	-114 dBm for BER ≤ 10 <sup>-7</sup>
Antenna diversity	yes
Operational temperature	-20 to +60 °C
Protection class	IP65
Dimensions (B/C)	230 x 280 x 110 / 230 x 330 x 110 mm <sup>3</sup>
Weight	max. 6.8 kg

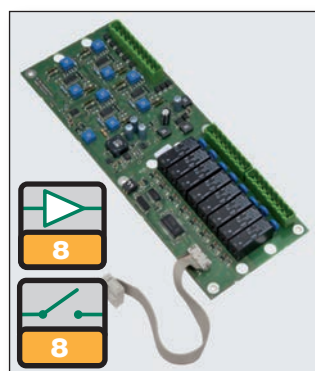


- LED indication for receiver status
- Variable configuration of the connection area (cable, connector)
- Internal diagnosis interface for the service
- Optional Windows based diagnosis software for parameter adjustment and inspection

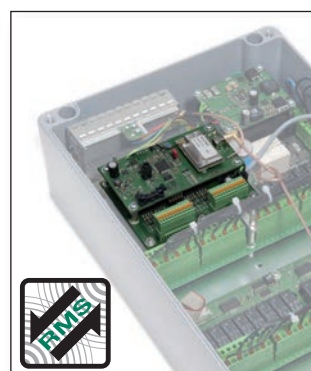
## Optional Features



Relay board with  
16 x changeover contact



8 x analog output  
8 x changeover contact



Integrated checkback  
signal transmitter to  
transmit process data



Infrarot release  
with one or two  
IR receivers



Integrated check-  
back signal trans-  
mitter to transmit  
process data



Number of switch  
channels



Number of analog  
output for different  
voltage ranges



Receiving and out-  
put of process data  
(at the transmitter  
and the receiver) via  
field bus coupling  
(Profibus, CAN,  
RS485)



Infrared receiver as part of the feature  
*infrared release*. It is possible to operate one  
or two receivers being located in the room  
accordingly.

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