Data Sheet

Remote Control
R13 F Receiver

The R13 F receiver is highly customizable with many features and mounting kits to ensure reliable and safe operation in potentially dangerous applications.

Features

- Multiband Radio with Full-Duplex communication
- External display for troubleshooting
- Highly field-customizable
- External removable EEPROM SIM module
- STOP: PLd, Category 3 according to EN ISO 13849-1:2008
- 21 digital and 4 analog outputs

Benefits

- Easy and fast maintenance
- Multi-feedback capability
- Frequency management against interferences
- Suitable for all common proportional valves

Applications

- Industrial lifting and automation
- Construction and mining vehicles
- Cranes

Comprehensive technical literature is online at *www.danfoss.com*

Technical data

Description	Value
Stop function	Cat. 3-PLd
Ingress Protection rating	IP65/NEMA4
Frequency band	Multi-band (400 - 930 MHz)
AC power supply	48 - 230 Vac ±25% (Multi-voltage) / 18 – 30 Vac
DC power supply	8 - 36 Vdc
Antenna	External
Removable EEPROM	External
Signaling	External
ON/OFF outputs (maximum)	21
Analog outputs (maximum)	4
CANopen, Profibus, Profinet	Yes
ON/OFF inputs (maximum)	24
Analog inputs (maximum)	6
Maximum output current	8A
Working temperature range	-20 °C to 70 °C (-4 °F to 158 °F)
Weight	1700g
Dimensions (LxWxH mm)	245x160x80
Cable connection	Yes
Associated transmitters	T70/1, T70/2, T70/1HALL, T70/2HALL, T70/1 ATEX, T70/2 ATEX, IK2, IK3, IK4