

ROBUST IOT BUTTON

AN INTELLIGENT NETWORKABLE BUTTON



MOBILITY

INDUSTRIAL IOT

With the new Robust IoT Button you increase the reliability of your machines and get all important information directly into your system. Developed with two different technologies for signal recognition, a dedicated controller and networkable electronics, these and many other functions can be implemented. For a long trouble-free future.

Highlights:

- > Button with intelligent, networkable electronics for a new level of reliability and transparency
- > Increased robustness due to signal detection via two different technologies
- > In case of a defect, the button carries out a self-diagnosis and recalibrates itself
- > Communication via IO -Link allows data to be transmitted safely and quickly (Industry 4.0)
- > Different measured values can be recorded and evaluated in the internal controller (e.g.: actuation force, temperature, holding time)
- > Implementation of Condition Monitoring and Predictive Maintenance
- > Use in the temperature range from -40 °C to + 85 °C
- > Possible areas of application are industrial plants, means of transport such as airplanes or trains, construction machinery, public buildings and much more
- > Different sizes, colours and backlighting can be realised on customer request
- > Delivery as single button or in system behind different front panels possible

TECHNICAL DATA

Robust IoT Button

Switching function	Button
Actuating force	3 N - 15 N (Configurable)
Measuring sensors	Two different technologies
Supply voltage	8 V -36 V 5 V on request
Switching current	200 mA
Output configuration	NPN, PNP or PushPull
CPU	ARM Cortex M23 – 48 MHz
Interfaces	IO-Link, CAN Interface on request
Software	RIOT Basic Software
IP protection class	IP 69K according to DIN40050-9 (Front) IP 67 according to IEC 60529 (Back)
IK protection class	IK 08
Lifetime	> 50 Mio. operations
Operating temperature	-40 °C to +85 °C
Power consumption	< 250 mW
Housing	Anodised aluminium
Electrical connection	M8 plug with 4 Pins
Variants	M22 more sizes and LED design on request
Service	Integration in different designs possible

Subject to change

CONTACT



Diehl AKO Stiftung & Co. KG
Tel.-No. +49 7522 73-737
Pfannerstraße 75-83
88239 Wangen

Further information at:
www.diehl.com/controls