Industrial RFID Reader
with IO-Link

R30A001

- ● **360° visible switching status display**
- ● **Data can be read, compared and written**
- ● **Frequency band 13.56 MHz**
- ● **Ready for Industry 4.0 with IO-Link 1.1**
- ● **Resistant to high temperature**

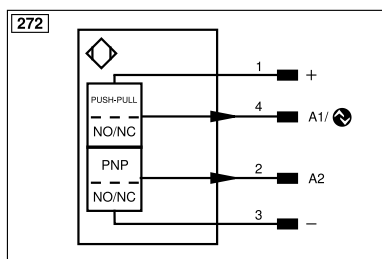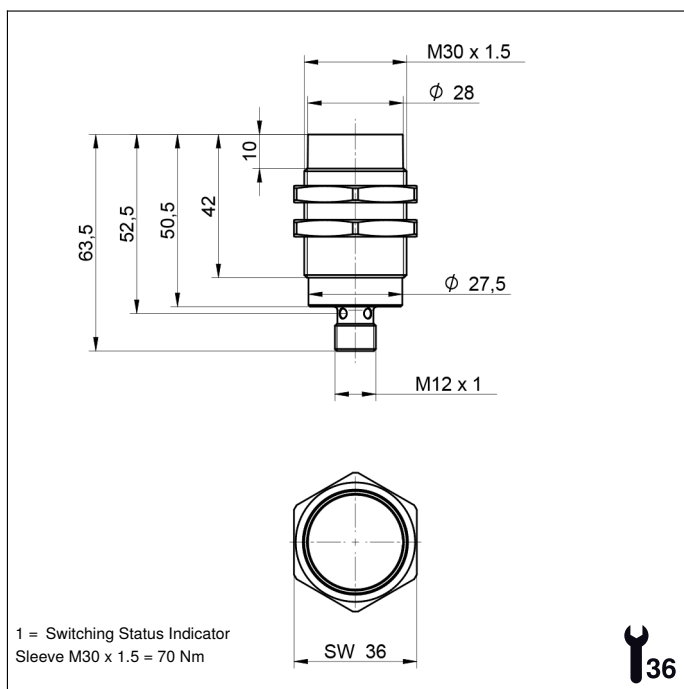| RFID data	
Working Range	0...50 mm*
Frequency band	13,56 MHz
Mounting	Non-flush
Mounting A/B/C/D in mm	30/60/90/10
RFID standard	ISO/IEC 15693
Electrical Data	
Supply Voltage with IO-Link	18...32 V DC
Supply Voltage	11...32 V DC
Temperature Range	-25...80 °C
Storage temperature	-25...80 °C
Number of Switching Outputs	2
Switching Output/Switching Current	200 mA
Short Circuit Protection	yes
Reverse Polarity and Overload Protection	yes
Interface	IO-Link V1.1
IO-Link Version	1.1
Protection Class	III
Mechanical Data	
Housing Material	Brass, chrome-plated
Sensing face	Plastic, PBT
Degree of Protection	IP67
Connection	M12 × 1; 4-pin
Safety-relevant Data	
MTTFd (EN ISO 13849-1)	644 a
Function	
Error Indicator	yes
IO-Link	●
PNP NO	●
Connection Diagram No.	272
Suitable Connection Equipment No.	2
Suitable Mounting Technology No.	130 132

* The specified working range relates to a transponder with Ø 50 mm and RSSI ≥ 0.
Depending on the transponder, the resulting working range may vary.

Thanks to RFID technology, these RFID readers enable fast and seamless data exchange with RFID transponders. The IO-Link interface makes it easy to change parameters and transfer process data efficiently. With a frequency band of 13.56 MHz, RFID readers offer a reliable identification solution for close-range applications.

Complementary Products

IO-Link Master

Software

M30 x 1.5
Ø 28
10
63,5
52,5
50,5
42
Ø 27,5
M12 x 1

1 = Switching Status Indicator
Sleeve M30 x 1.5 = 70 Nm

SW 36

36

272

PUSH-PULL
NO/NC
PNP
NO/NC

1 +
4 A1/
2 A2
3 −

Mounting

A B C D