

RFID-Reader

RFID 131

with 1 USB device 2.0
1 CAN bus

The RFID reader is an installable device for reading and writing to RFID card. Communication with other bus participants is established over the CAN bus or USB interface. The reader is supplied with +24 V.

The RFID reader is installed in a cutaway of the control cabinet.



Performance Data

Protocol	ISO 15693, ISO 14443A, ISO 14443B
Supported cards	Mifare Ultralight/Ultralight C Mifare Classic Mini/1K/4K Mifare Desfire EV1 2K, 4K 8K Mifare Pro, Plus ISO15693 NXP ICOD SLI, TI TagIT, standard cards
RF power	100 mW EIRP
Operating frequency	13.56 MHz
Reading distance	up to 5 cm (depending on the tag, antenna and ambient conditions)
Write distance	approximately 70 % of the read distance
Interfaces	1x USB device 2.0, (Type Mini-B) 1x CAN bus
Status LEDs	yes, blinks in 1 s frequency and indicates the readiness of the device

Electrical Requirements

Supply voltage	typically +24 V DC	
	minimum +18 V DC	maximum +30 V DC
Current consumption Power supply +24 V	minimum 45 mA	maximum 60 mA
Inrush current	2 A for 2 ms	

RFID Reader

Material	front: acrylic glass back: chromated sheet steel
Weight	110 g

Environmental Conditions

Storage temperature	-20 ... +85 °C	
Environmental temperature	0 ... +55 °C	
Humidity	0-95 %, non-condensing	
EMC resistance	according to EN 61000-6-2 (industrial area)	
EMC noise generation	according to EN 61000-6-4 (industrial area)	
Radio Communication Conformity Europe	according to ETSI EN 300 330 (2014/53/EU, RED Directive)	
Radio Communication Conformity USA	FCC CFR 47 Part 15	
Product safety	EN 60950-1:2006	
Vibration resistance	EN 60068-2-6	2-9 Hz: amplitude 3.5 mm 9-200 Hz: 1 h (10 m/s ²)
Shock resistance	EN 60068-2-27	duration 11 ms, 18 Shocks 15 g (150 m/s ²)
Protection type	EN 60529 protected through the housing	front: IP65 cover: IP20

Article Number and Miscellaneous

Article number	01-691-131
Dimensions	90 x 57 x 30.8 mm (W x H x D)