



- Universally applicable user authentication
- For all HMIs and other applications
- Certified for Zones 1, 2, 21, 22 (version Z1) or Zones 2, 22 (version Z2)
- MIFARE CLASSIC, DESFIRE, LEGIC MIM, LEGIC ATC, SONY FELICIA, INSIDE SECURE and many other protocols
- Can be operated worldwide in temperatures ranging from -40 °C to +70 °C
- Installation directly in hazardous area
- As USB, RS-422, ASCII or CRYPT version

WebCode RFIDA



The new UB03 is a universally applicable RFID card reader for hazardous areas, certified for Zone 1, 2, 21, 22 (Z1) or Zone 2, 22 (Z2) acc. to ATEX, IECEx. The reader can be operated as a stand-alone device in hazardous areas or together with a Human-Machine Interface. It works together with all R. STAHL Human-Machine Interfaces (device platforms MANTA, EAGLE, SHARK, RAPTOR).

	IECEx / ATEX					
Zone	0	1	2	20	21	22
Installation in		•	•		•	•

Selection Table						
Card reader type	proximity card reader					
Application range (zones)	Product Type	Technology	Interfaces	Art. No.	Weight	
1	UB03-Z1-RFID-C05-RS422-PES-01	CRYPT card reader	RS-422	261217	1 kg	
2	UB03-Z1-RFID-C05-USB-PES-01	CRYPT card reader	USB	261215	1 kg	
21	UB03-Z1-RFID-C06-RS422-PES-01	ASCII card reader	RS-422	261218	1 kg	
22	UB03-Z1-RFID-C06-USB-PES-01	ASCII card reader	USB	261216	1 kg	
2	UB03-Z2-RFID-C05-RS422-PES-01	CRYPT card reader	RS-422	268649	1 kg	
22	UB03-Z2-RFID-C05-USB-PES-01	CRYPT card reader	USB	261219	1 kg	
	UB03-Z2-RFID-C06-RS422-PES-01	ASCII card reader	RS-422	272190	1 kg	
	UB03-Z2-RFID-C06-USB-PES-01	ASCII card reader	USB	261220	1 kg	

Technical Data		
Variant	UB03-Z1-RFID	UB03-Z2-RFID
Explosion Protection		
IECEx gas explosion protection	Ex eb q IIC T4 Gb	Ex ec nC IIC T4 Gc
IECEx dust explosion protection	Ex tb IIIC T115 °C Db	Ex tc IIIC T115 °C Dc
ATEX gas explosion protection	Ⓜ II 2 G Ex eb q IIC T4 Gb	Ⓜ II 3 G Ex ec nC IIC T4 Gc
ATEX dust explosion protection	Ⓜ II 2 D Ex tb IIIC T115 °C Db	Ⓜ II 3 D Ex tc IIIC T115 °C Dc
Electrical Data		
Card reader type	13.56 MHz RFID	13.56 MHz RFID
Transponder media	LEGIC/MIFARE/DESFIRE/EV1	LEGIC/MIFARE/DESFIRE/EV1
Ambient Conditions		
Ambient temperature	-40 – 70 °C	-40 – 70 °C

Technical Data		
Variant	UB03-Z1-RFID	UB03-Z2-RFID
Mechanical Data		
Front plate	Polyester on aluminium	Polyester on aluminium
Degree of protection (IP)	IP66	IP66