



- Use of standard wireless devices in Zone 1
- Fast implementation of a customised structure or OEM solution
- A large selection of enclosure sizes
- Expert support from R. STAHL
- Simplified installation and maintenance thanks to separate connection chamber
- (optional)
- Flexible and safe connection of antennas

A5

MY R. STAHL 8265C



Application

The 8265 wireless/network enclosure system enables the use of standard wireless or network devices such as the WiFi access point, gateways with mobile communications, LoRaWAN, Bluetooth or RFID readers in Zone 1 or 21 that do not have approval for operation in hazardous areas. The international approvals make it possible to quickly implement a project-specific, customised structure or an OEM solution.

Benefits

Ex d enclosure bushings are used for applications involving devices with external radio interfaces. These bushings make it possible to install or remove the antenna or antenna cable without switching off the fitted device.

Ethernet or optical cables can be connected using a separate connection chamber (Ex e) if required. This allows for quick yet safe connections in the field.

The engineering of your solution is based on the information from the form: Customized solution_8265 | EN, available on the Internet.

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

Selection Table					
Version	8265/5 Ex d enclosure				
Grid-bound interface	Antenna cable interface		Product Type	Art. No.	Weight
Ethernet 100BASE-T, 1000BASE-T	N-type socket, intrinsically safe Ex ia		8265/5-....	273558	-

Technical Data	
Explosion Protection	
IECEX gas explosion protection	Ex d e [ia Ga] IIC T6 Gb
IECEX dust explosion protection	Ex tb [ia Da] IIIC T130 °C Db
ATEX gas explosion protection	Ex II 2 (1) G Ex d e [ia Ga] IIC T6 Gb
ATEX dust explosion protection	Ex II 2 (1) D Ex tb [ia Da] IIIC T130 °C Db
Certificates	ATEX (PTB), IECEX (PTB)
Declaration of Conformity	ATEX (EUK)

Technical Data

Electrical Data

Antenna diversity	MIMO
Radio standards	802.11
Configuration	Depends on installed device

Ambient Conditions

Ambient temperature	-20 °C ... +60 °C Depends on installed device
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Mechanical Data

Degree of protection (IP)	IP66
Min. dimensions	236 x 236 x 227 mm
Max. dimensions	335 x 505 x 281 mm
Dimensions note	Depends on installed device

Components

Available for Aruba	AP-324, AP-318, AP-518
Available for Cisco	2802e,3802e,ESW6300,Catalyst
Available for ProSoft	RLX2-IHNF
Available for Siemens	SCALANCE W1788,W780,W770,W760

Accessories

Figure	Description	Art. No.	Weight
Antennas			
	Frequency range: 2.4 to 2.485 GHz 5.15 to 5.875 GHz Antenna gain: 4.7 dBi at 2.4 GHz 3.4 dBi at 5 GHz Connection: N connector (compatible with 9730/37-25 and 9731) The antenna is classed as simple apparatus according to EN 60079-11.	292908	110 g
	Frequency range: 2.4 to 2.485 GHz 5.15 to 5.875 GHz Antenna gain: 4.7 dBi at 2.4 GHz 3.4 dBi at 5 GHz Connection: N-type socket (for indirect mounting) The antenna is classed as simple apparatus according to EN 60079-11.	292909	110 g
	Frequency range: GSM (850/900/1800/1900) 3G (UMTS) (800-2100) 4G - LTE (bands 1, 2, 3, 4, 7, 10, 23, 25, 30, 33, 34, 35, 36, 37, 38, 39, 40, 41, 65, 66) Max. antenna gain: 2 dBi Connection: N connector (compatible with 9730/37-25 and 9731) The antenna is classed as simple apparatus according to EN 60079-11.	292910	120 g
Installation kit			
	Installation kit for the antenna	207408	160 g

Antennas for offshore use are available on request.