



- 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

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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.

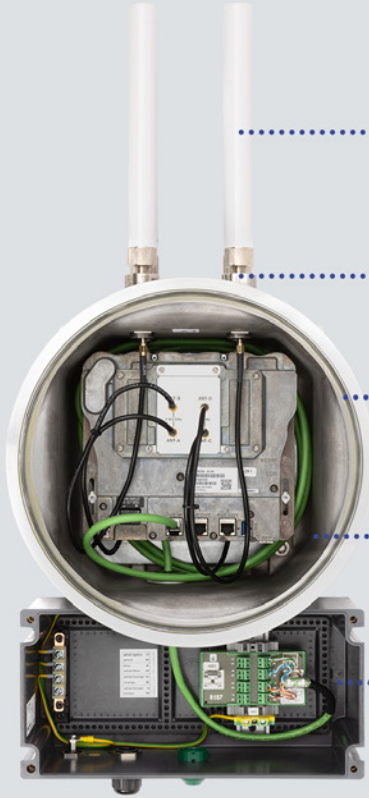
Benefits

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		•	•		•	•



..... **Antennas**, Series 9790, as optional accessories from R. STAHL depending on the application.

..... **HFisolator**, Series 9730 – Enclosure bushing and explosion protection for the signal.

..... **Ex d enclosure**, Series 8265 – Explosion protection for wireless or IT devices, size to suit the built-in components.

..... **Built-in components**, devices without explosion protection, such as WiFi Access point, Gateway, RFID reader, etc.

..... **Ex e connection chamber**, optionally made of plastic or stainless steel with 8187 Ethernet terminal.

Project-Specific Solutions

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Version based on enclosure 8265, size 5, with connection chamber Ex e made of GRP
Installed device: Cisco ESW 6300

Project-Specific Solutions



Version based on enclosure 8265, size 6, with connection chamber Ex e made of GRP
Installed device: Cisco

Technical Data

Explosion Protection

IECEx gas explosion protection	Ex db eb [ia Ga] IIC Gb
IECEx dust explosion protection	Ex tb [ia Ga] IIIC Db
ATEX gas explosion protection	Ⓜ II 2 G Ex db eb [ia Ga] IIC Gb
ATEX dust explosion protection	Ⓜ II 2 D Ex tb [ia Ga] IIIC Db
Certificates	ATEX (PTB), IECEx (PTB)
Notes	Product label may vary.

Electrical Data

Notes	depending on the equipment and components used
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Ambient Conditions

Ambient temperature	-50 °C ... +60 °C
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Mechanical Data





Degree of protection (IP)	IP54
Degree of protection note	IP66 with O-ring silicone -60 °C ... +60 °C
Enclosure material	Aluminium, kupferfrei, seewasserbeständig

Mounting / Installation

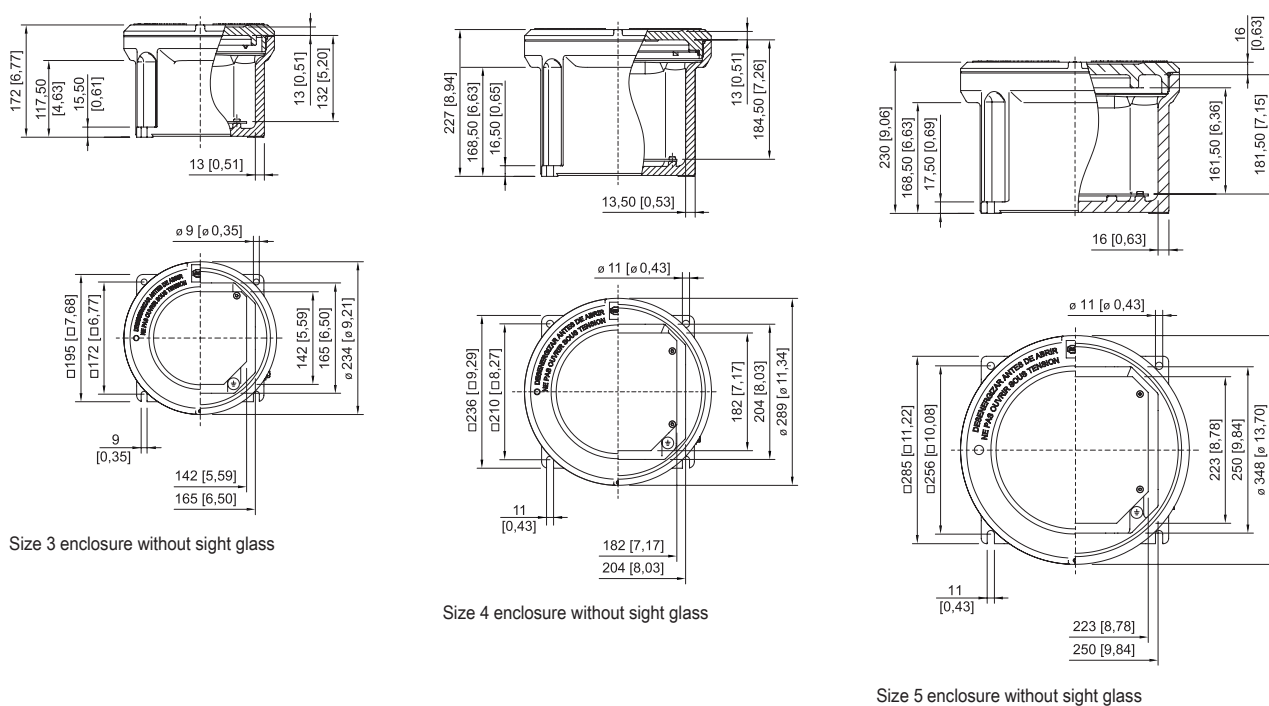
Connection	via separate Ex eb terminal compartment, via miniCON 8595 plug connector or direct cable entries
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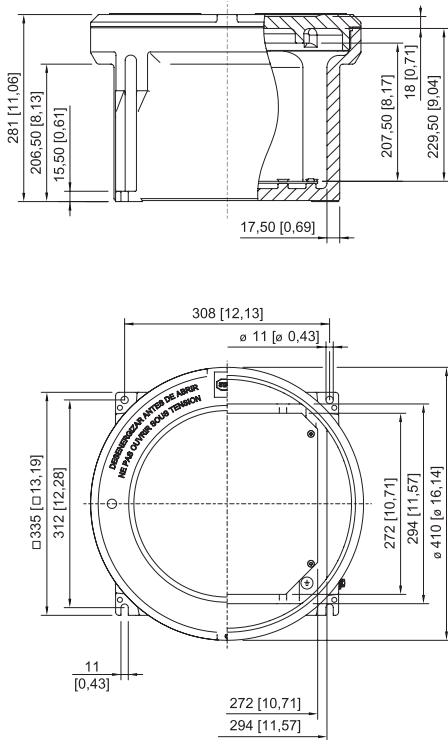
Please use the form "Customized solution 8265" to specify your requirements.

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

Coaxial cable for remote installation of the antenna can be offered based on your specification.

Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations




Size 6 enclosure without sight glass