

IS540.1 Smartphone Set EEA Art. No. 312328



- 5G / Wi-Fi 6 explosion-protected smartphone with high-end chip set
- 6" display, 48 MP camera, replaceable 4400 mAh battery
- Android Enterprise Recommended
- Zero touch capable
- MDM compatible
- Programmable red key (e.g. for lone worker protection/SOS)

MY R. STAHL MPHONEA



The new 5G smartphone features the latest technology in the explosion protected smartphone segment. With its 6-inch full HD display and a high-end chip set, the smartphone supports a wide range of frequency bands, and its 48 MP main camera produces high-quality images. The high-end processor ensures fast data processing for advanced industrial applications such as predictive maintenance. Since 5G is not the standard everywhere, our portfolio also includes 4G smartphones and other push-button telephones that can be used in many ways with the ISM interface. Other additional modules such as an RSM, PTT headsets, professional barcode scanners and a thermal imaging cameras turn the smartphones into powerful multi-function devices. Our mobile experts will be happy to explain how to best integrate these devices into mobile solutions with other products: [stahl.com">sales.dehm@r-stahl.com](mailto:sales.dehm@r-stahl.com)

Technical Data

General

Technology	Telephone
Version	Smartphone

Explosion Protection

Application range	Zone 1, Zone 21 Zone 2, Zone 22
Scope	EU (CE / ATEX) Global (IECEX) United Kingdom (UKCA) Brazil (INMETRO) Korea (KCS) Japan (TIIS) South Africa (SABS) Australia (RCM) United Arab Emirates (UAE)
IECEX certification	EPS 22.0076X
ATEX certification	EPS 22 ATEX 1 341 X
UKCA certification	EPS 22 UKEX 1 341 X
INMETRO certification	BRA 23.GE0006X
KCS certification	22-KA4BO-0425X 22-KA4BO-0426X
TIIS certification	TC22900X TC22901X
SABS certification	S/23-0834X
IECEX gas explosion protection	Ex ib IIC T4 Gb

IS540.1 Smartphone Set EEA Art. No. 312328

Explosion Protection

IECEx dust explosion protection	Ex ib IIIC T135°C Db
ATEX gas explosion protection	⊕ II 2G Ex ib IIC T4 Gb
ATEX dust explosion protection	⊕ II 2D Ex ib IIIC T135°C Db
UKCA gas explosion protection	⊕ II 2G Ex ib IIC T4 Gb
UKCA dust explosion protection	⊕ II 2D Ex ib IIIC T135°C Db
INMETRO gas explosion protection	Ex ib IIC T4 Gb
INMETRO dust explosion protection	Ex ib IIIC T135°C Db
KCS gas explosion protection	Ex ib IIC T4 Gb
KCS dust explosion protection	Ex ib IIIC T135°C Db
TIIS gas explosion protection	Ex ib IIC T4 Gb
TIIS dust explosion protection	Ex ib IIIC T135°C Db
SABS dust explosion protection	Ex ib IIIC T135°C Db
SABS gas explosion protection	Ex ib IIC T4 Gb

Electrical Data

Processor type	Qualcomm QCM6490
Main memory	8 GB
Data memory	128 GB int. + SD up to 128 GB
Operating system	Android 14
Mobile standard	2G, 3G, 4G, 5G
Interface medium	802.11 a/b/g/n/ac/ax/e/k/r/v
Optional interface 1	Bluetooth 5.2
Optional interface 2	40 MP camera (rear)
Addition 3/Option box	5 MP front camera
SD card type/size	MicroSD/up to 128 GB
SIM card number	Double SIM
SIM card size	Micro

Display

Display size in inches	6.00
Display size in cm	15.24
Display resolution	FHD 1080x2160 pixels
Touchscreen	Capacitive
Touchscreen material	Gorilla glass corning 3rd gen.
Backlight	LED technology

Ambient Conditions

Ambient temperature	-20 – 60 °C
Ambient temperature	-20 °C ... +55 °C

Mechanical Data

Degree of protection (IP)	IP68
Further protection	Dust- and waterproof
MIL-standard	810H
Width	85 mm
Height	180 mm
Depth	21 mm
Weight	422 g
Weight	0.93 lb

IS540.1 Smartphone Set EEA Art. No. 312328

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.