

### 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

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#### 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

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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.