



Smartphone



Smart-Ex02-ROWDZ1MZAF-ANDC00..

- Replaceable SIM
- Global certificates - a common hardware platform
- Wireless connections such as WWAN, 4G LTE, WLAN and Bluetooth®
- Android™ Enterprise Recommended verified device
- GPS
- NFC technology for wireless applications
- Service contract
- Programmable hardware buttons
- Special buttons for lone worker protection (LWP) applications
- Android™ 11 operating system

Smart-Ex 02 DZ1M (DIV 1 and Zone 1/21), latest available Android version, with camera, version for South Africa / Mining



Technical Data

General specifications	
Description	Intrinsically safe smartphone certified for Mining
Hardware	
Processor	Qualcomm Snapdragon 450
RAM	3 GByte
Camera	
Front camera	5 MP
Main camera	12 MP with autofocus and LED flash
Video recording resolution	1080p, 720p, 480p (main camera)
Optional data memory	Micro SD flash card up to 128 GByte
Internal data memory	32 GByte
Speaker	Forward facing main speaker with Gore® cone
Microphone	Dual-mic solution with three selectable background noise suppression options
Indicators/operating means	
Display	Extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Touchscreen technology	Capacitive multitouch
Screen diagonal	12.7 cm
Resolution	720 x 1280 pixels
Key	PTT / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features
Electrical specifications	
Battery type	Li-Ion battery 16.28 WH 3.7 V 4400 mAh
Operating duration	LTE standby time: up to 350 h
Communication	
Mobile standard	
2G	GSM: 850 MHz, 900 MHz, 1800 MHz, 1900 MHz
3G	UMTS: 850 MHz, 900 MHz, 1700 MHz, 1900 MHz, 2100 MHz
4G	LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 LTE TDD: B38, B39, B40, B41
WLAN	802.11 a/b/g/n/ac/e/k/r/h (2,4 GHz + 5 GHz)
Bluetooth	Bluetooth® 4.2
GPS sensor	GPS, A-GPS, Glonass, Beidou, Galileo








Release date: 2022-06-01 Date of issue: 2022-06-01 Filename: 480986-100066_eng.pdf

Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

Technical Data

NFC		yes
SIM card		Dual Nano-SIM
Software		
Operating system		Android™ 11 Android™ Enterprise Recommended verified device
SMS/MMS		yes
Ambient conditions		
Ambient temperature		-20 ... 60 °C (-4 ... 140 °F)
Mechanical specifications		
Degree of protection		IP68 , MIL-STD-810G
Connection		7-pins water-proof magnetic USB 2.0 port 3.5 mm jack connection with special ecom mounting solution
Mass		approx. 380 g
Dimensions		
W x H x D		82 mm x 163 mm x 22 mm
Data for application in connection with hazardous areas		
ATEX approval		
ATEX certificate		EPS 19 ATEX 1 255 X
ATEX marking		Ⓜ I M1 Ex ia op is I Ma IP64
International approvals		
IECEX approval		
IECEX certificate		IECEX EPS 19.0114X
IECEX marking		Ex ia op is I Ma IP64
IA approval		MASC M/20-8600X Ex ia op is I Ma IP64
Approved for		South Africa , Mining
General information		
Note		Android is a trademark of Google LLC.
Scope of delivery		Smart-Ex® 02 Li-Ion battery Charger USB cable Screwdriver Documentation

Accessories

	EXT-C2LCOIL	Clip2Loop coil tether
	RL ID01	Retractable lanyard
	SUCTION CUP HOLDER	Suction cup holder for Smart-Ex 02 and Ex-Handy 10
	LH S02	Leather holster
	MINI QD LOOP	Mini QD loop
	TC S02 Travel Charger (EU/UK/US/AU)	Travel charger
	CR-EX S02	Cradle for Smart-Ex® 02

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 **PEPPERL+FUCHS**

Accessories

	TORX T8 SCREWDRIVER	Torx screwdriver for Smart-Ex® 02 and Ex-Handy 10
	BC-Ex	Belt clip with QuickFix
	DS S02	Docking station
	LC S02	Leather case for Smart-Ex® 02
	CC S01-R	Car charger
	DC EX-BP S02	Battery pack charger for Ex-BP S02 & BP S02
	Ex-BP S02	Battery pack
	ST 01	Stylus pen
	Tether ST 01 Stylus	Stylus tether
	PC S02	USB Charging Cable for Smart-Ex 02, Ex-Handy 10 and Pocket Unit PU-Ex V01
	SC-Ex	Spring clip with 4QuickFix