



**THORNE &
DERRICK**
INTERNATIONAL

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A PEPPERL+FUCHS BRAND

Data Sheet Smart-Ex® 02

DZ2

ATEX



⊕ II 3G Ex ic op is IIC T4 Gc IP64
⊕ II 3D Ex ic op is IIIC T120°C Dc
Ambient temperature: -20 °C ≤ Ta ≤ +60 °C

IECEX



Ex ic op is IIC T4 Gc IP64
Ex ic op is IIIC T120°C Dc
Ambient temperature: -20 °C ≤ Ta ≤ +60 °C

SGS (CEC / NEC)



CI I, II, III, Division 2 Group A-G T4 IP64
Ex ic IIC T4 Gc
Ex ic IIIC T120°C Dc
CI I Zn 2, AEx ic IIC T4 Gc
Zn 22, AEx ic IIIC T120°C Dc
Ambient temperature: -20 °C ≤ Ta ≤ +60°C, IP64

Further approvals at: www.ecom-ex.com



Technical Data

Operating System	Android™ 9.0 Android Enterprise Recommended
Processor	Qualcomm Snapdragon 450 platform
Band	Cellular frequency bands: 4G LTE FDD: B1, B2, B3, B4, B5, B7, B8, B11, B12, B13, B20, B21, B25, B26, B28, B66, B71 4G LTE TDD: B38, B39, B40, B41 3G UMTS: 850 / 900 / 1700 / 1900 / 2100 MHz 2G GSM: 850 / 900 / 1800 / 1900 MHz
Memory	3 GB RAM + 32 GB ROM microSD card up to 128 GB
Display	12.7 cm (5.0") extreme shock and scratch resistant Gorilla® Glass with glove touch and wet mode
Ports	3.5 mm jack connection with special ecom mounting solution 7-pins water-proof magnetic USB 2.0 connector
Dimensions	163 x 82 x 22 mm
Weight	approx. 380 g
Dedicated Keys	Programmable key / Alarm / Power / Multifunction / Volume / Hardware buttons for Android features
Connectivity	4G / LTE -standard (SIM unlocked); LTE Dual SIM; Nano SIM - WiFi 2.4 Ghz and 5 Ghz support - WiFi standards 802.11 a/b/g/n/ac/e/k/r/h - Bluetooth® 4.2 incl. BLE (Bluetooth Low Energy) - GPS / A-GPS / Glonass / Beidou / Galileo - NFC
Camera	12 MP rear with autofocus and LED flash with flashlight function / 5 MP front (optional)
Battery	Replaceable Li-Ion Battery pack with 3.7 V / 4400 mAh / 16.28 Wh
Protection class	IP68, MIL-STD-810G

Your automation, our passion.

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