Display **RD22**

full rugged — 21.5" display

WATER   SAND

FROST   HEAT

SHOCK   DROP

The RD22 allows an optimal use of modern command control communication and information systems, even under hardest environmental conditions. Customised mounting systems (Options) guarantee an wide scope of operation.

Technical specification

Display	21.5" LED LCD colour display with multi touch screen
Resolution	FHD, 1920 x 1080 pixel
Format	16:9
Display colours	displays up to 16.7 million colours
Viewing angle	vertical: 178° horizontal: 178°
Contrast	5000:1
Luminance	typ. 850 cd/m² (EMI glass & touch screen might reduce the luminance)
Reaction time	25 ms (T_{on}+T_{off})
Certification	IP54 designed to meet MIL-STD 810G, designed to meet MIL-STD 461F (Navy Mobile & Army), CE EN55022 and EN55024, Product safety according to EN60950
Case	aluminium, powder coated
Colour	military green RAL 6031 HR
Dimensions	580 mm x 375 mm x 80 mm
Weight	ca. 13 kg

roda solid IT-solutions

WATER JET RESISTANT

SHOCK RESISTANT

DROP RESISTANT

FROST RESISTANT

HEAT RESISTANT

Designed to meet:

MIL-STD 810G	operating	storage
Altitude Method 500.5	4572 m (15000 ft)	12192 m (40000 ft)
Temperature Method 501.4 & 502.4, (Prozedur I, II)	0°C to +50°C -20°C with heater	-20°C to +60°C
Humidity Method 507.5, (Prozedur I)	Five 24h test cycles 95 %	Five 24h test cycles 95 %
Salt fog Method 509.4, (Prozedur I)	N/A	5 %, 35° C

only shockmounted:

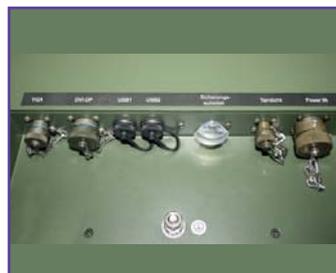|		
Vibration Method 514.5, Cathegory 20	Tracked Vehicle Vibration Comp. Wheeled Vehicle Vibration All Material - minimum interity test	Tracked Vehicle Vibration Comp. Wheeled Vehicle Vibration All Material - minimum interity test
Shock / drop Method 516.6	N/A	40 g, 11 ms

RD22 circuit breaker switch

RD22 example for standard interfaces

RD22 example for MIL interfaces

more technical specification

- heater: operational within 30 minutes from -20°C
- OSD menu in front panel (8 keys, 2 LEDs)
- varnished fine structure
- coated filter screen
  conductively coated/ Sitec 15 (< 20Ohm/cm²)
- power Input 18-32 V_{DC}, nominal 24 V_{DC}
- grounding bolt
- circuit breaker

Interfaces

- VGA
- DVI
- 2x USB2.0 Downstream (Upstream only by RD-DVI)
- MIL-DC-In
- MIL invisible mode / door contact activation

standard connectors optional available with MIL grad connectors

Options

- Night vision function
  (for use with night vision goggles)
- carrying handles
- rugged transportation box
- rugged mounting systems
    - e.g. RD22 StandUnit
    - custom mounting for on request
- Shockmount fixation, designed to meet MIL-STD 810G
- designed to meet VG96916 part 5

All roda displays from RD series support the remote function (RD-DVI).
With remote function you can turn on the RD series display and the connected Rocky® unit by only pressing the power button of the display. Also USB device signals like keyboard and mouse, which are connected to the RD displays USB-port, will be send via the display signal to the Rocky® unit.

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