

# Display

full rugged

# RD24

24" display



The RD24 allows an optimal use of modern command control communication and information systems, even under hardest environmental conditions. Customised mounting systems (optional available) guarantee an wide scope of operation.

## Technical specification

<b>Display</b>	24" LED LCD colour display with dual touch screen
<b>Resolution</b>	Full HD / 1920 x 1080 pixel
<b>Format</b>	16:9
<b>Display colours</b>	displays up to 16.7 million colours
<b>Viewing angle</b>	vertical: 178° horizontal: 178°
<b>Contrast</b>	5000:1
<b>Luminance</b>	typ. 300 cd/m <sup>2</sup> (EMI glass might reduce the luminance)
<b>Reaction time</b>	25 ms (T <sub>on</sub> +T <sub>off</sub> )
<b>Certification</b>	IP65, designed to meet MIL-STD-810G, designed to meet MIL-STD-461F (Navy Mobile & Army), CE EN55022 and EN55024, Product safety according to EN60950
<b>Case</b>	aluminium, powder coated
<b>Colour</b>	military green RAL 6031 HR
<b>Dimensions</b>	614 x 370 x 76 mm (W x H x D)
<b>Weight</b>	ca. 11 kg

## Designed to meet:

MIL-STD-810G	operating	storage
<b>Altitude</b> Method 500.5	4572 m (15000 ft)	12192 m (40000 ft)
<b>Temperature</b> Method 501.4 & 502.4, (Prozedur I, II)	-20°C to +70°C -30°C with heater	-30°C to +80°C
<b>Humidity</b> Method 507.5, (Prozedur I)	Five 24h test cycles 95 %	Five 24h test cycles 95 %
<b>Vibration</b> Method 514.5, Category 20	Tracked Vehicle Vibration Comp. Wheeled Vehicle Vibration All Material - minimum integrity test	Tracked Vehicle Vibration Comp. Wheeled Vehicle Vibration All Material - minimum integrity test
<b>Shock / drop</b> Method 516.6	N/A	40 g, 11 ms



RD24 circuit breaker switch



RD24 example for standard interfaces



RD24 example for MIL interfaces

## more technical specification

- heater: operational within 30 minutes from -30°C
- OSD menu in front panel (8 keys, 2 LEDs)
- varnished fine structure
- coated filter screen  
conductively coated/ Sitec 15 (< 200hm/cm<sup>2</sup>)
- power input 18-32 V<sub>DC</sub>, nominal 24 V<sub>DC</sub>
- grounding bolt
- circuit breaker

## Interfaces

- 1x VGA
- 1x DVI
- 2x USB2.0 Downstream (Upstream only by RD-DVI)
- 1x MIL-DC-In
- 1x MIL invisible mode / door contact activation

\*all interfaces are available with standard or optional military grade connectors

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.

