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Rugged-Touch panel, 10.92 cm / 4.3"-TFT display (Analog resistive (GFG)), 480 x 272 pixel(s) (WQVGA), 65536 colors, Arm9™, 184 MHz, 2x USB Host 2.0, 1 x Ethernet (10/100 Mbps), RJ45, Windows® CE 5.0, TSvisRT, without bus system.

## Commercial data

Item number	2401194
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	DRCACB
GTIN	4055626096100
Weight per piece (including packing)	550 g
Weight per piece (excluding packing)	550 g
Country of origin	DE

## Technical data

### Product properties

Product type	Operator panel
Application	Rugged

### Computer data

Processor	Arm9™, 184 MHz
Operating system	Windows® CE 5.0
RAM	128 MB SDRAM
	512 KB NV
Data storage system	NOR-Flash, 64 MB

### Display

Display type	10.92 cm / 4.3"-TFT
Screen resolution	480 x 272 Pixel(s) (WQVGA)
Touch technology	Analog resistive (GFG)
Display lighting type	LED
Brightness	385 cd/m² typical (adjustable)
MTBF	40000 h
Color spectrum	65536 colors
Reading angle left	75.00 °
Reading angle right	75.00 °
Reading angle top	63.00 °
Reading angle bottom	75.00 °

### Interfaces

Interfaces	2x USB Host 2.0
Optional interfaces	none
Network	1 x Ethernet (10/100 Mbps), RJ45
Bus system	without bus system

### System properties

User software	TSvisRT
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### Electrical properties

Service life of battery	5 years (typical)
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### Supply

Typical current consumption	0.2 A
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### Real-time clock

Realtime clock	Yes
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### Supply

Power supply unit	24 V DC ±20 %
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## Mounting

Mounting type	Bolt fixing
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## Material specifications

Material front plate	Aluminum (natural anodized)
Housing material	Steel sheet, zinc-plated

## Environmental and real-life conditions

### Ambient conditions

Degree of protection	IP67 (front), IP20 (back) NEMA 4X
Ambient temperature (operation)	-20 °C ... 70 °C
Ambient temperature (storage/transport)	-30 °C ... 80 °C
Altitude	4000 m
Permissible humidity (operation)	5 % ... 95 % (Front) 20 % ... 85 % (On the rear)
Shock	15g, according to IEC 60068-2-27
Vibration (operation)	1g, according to EN 60068-2-6

## Dimensions

### External dimensions

Width / Height / Depth	171 mm / 131 mm / 5 mm (Dimensions of the front plate)
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### Installation dimensions

Width / Height / Installation depth	136 mm / 96 mm / 42 mm (Mounting cutout, depth with bus system present in the device)
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## Environmental product compliance

### EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(a), 6(a)-I, 6(b), 6(b)-II, 6(c), 7(a), 7(c)-I

### China RoHS

Environment friendly use period (EFUP)	EFUP-15
An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.	

### EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
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