

Projektieren ohne Grenzen: Mit 20 frei programmierbaren Funktions-tasten, 14 als Soft-Keys mit Icons umsetzbar, 3 Encoder zum Einstellen von Werten, Alarm, CANbus. Ein ganzes Armaturenbrett in einem Aufbau- oder Einbau-Bediengerät!

Unlimited programmability: With 20 user programmable function keys (14 soft keys with icons), 3 encoders for setting values, alarm, CANbus. A complete dashboard in one surface-mounted or built-in panel!

Projets sans limites. Avec 20 touches de fonction librement programmables, 14 pouvant être utilisées comme softkeys avec icônes, 3 encodeurs pour réglage de valeurs, alarme, CANbus. Un tableau de bord complet dans un terminal opérateur en saillie ou encastré !

Programabilidad ilimitada: Con 20 teclas de función programable por el usuario (14 teclas con iconos), 3 codificadores para la configuración de valores, alarma, CANbus. ¡Un tablero de instrumentos completo en un panel montado en superficie o empotrado!

Realização de projetos sem fronteiras: com 20 teclas funcionais programáveis, 14 podendo ser utilizadas como softkeys com ícones, 3 codificadores para ajustar valores, alarme, CANbus. Um painel de instrumentos completo num dispositivo para montagem ou integração!

Неограниченные возможности программирования! Двадцать программируемых кнопок (14 кнопок с выводом на дисплей соответствующих пиктограмм), 3 энкодера для задания значений параметров, сигнализация, возможность подключения к шине CAN. Настоящая панель управления, причем возможны два варианта монтажа – накладной и врезной.

设计无极限：凭借20个可自由编程的功能键、14个功能键可转化为图标软按键、3个可设定参数值的编码器、报警器、CANbus。配置或组装操作设备中装有功能完整的控制面板！



OPUS[®] 21c

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HOUSING

Standalone mount,
optional dashboard mount
orientation landscape

Standalone W 200 x H 180 x D 87 mm,
Dashboard W 206 x H 186 x D 87 mm,
incl encoders, excl connector and cables

Weight 2.5 kg

DISPLAY

5.7", 4:3, TFT, transmissive

320 x 240 pixels

300 cd/m² max brightness

350:1 max contrast

H ±65°, V +40°/-65° max viewing angles

USER INTERFACE

14 Softkeys, 6 Hardkeys

Key backlighting - amber, adjustable

3 encoders

SIGNALS

7 freely programmeable LEDs

Optional piezo alarm approx 80 dBA

PROCESSOR

16-bit, 20 MHz, C167CR

MEMORY

1 MB SRAM

2 MB Mass Storage

32 kB serial EEPROM

INTERFACES

2 CANbus ISO 11898,
CAN specification 2.0 B active

VIDEO

Optional 1 Composite CCITT video input,
PAL 50 Hz color coding, input level
1 Vpp, 75 Ω

REAL TIME CLOCK

Optional RTC buffered for 2 weeks
by gold cap, accuracy ±1 sec/day

CONNECTORS

Main: Deutsch, 8 pin, DT04 8 PA

Video: Rosenberger 59K102-102E3Q

POWER SUPPLY

Max tolerable 10 – 50V DC

ENVIROMENTAL CONDITIONS

Temperatures

Operating –25° to +65°C

Storage –30° to +85°C

Protection IP 65. Not for outdoor use.

Vibration 5g @ 57 – 2000 Hz, 24 h per axis

Shock 30g, 11ms, 10 times per axis

CERTIFICATES

CE mark

OPERATING SYSTEM

Wachendorff BIOS

PROGRAMMING

Wachendorff Projektor-Tool
for Windows® NT/2000/XP
supporting

Generic driver

CANfreestyle

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