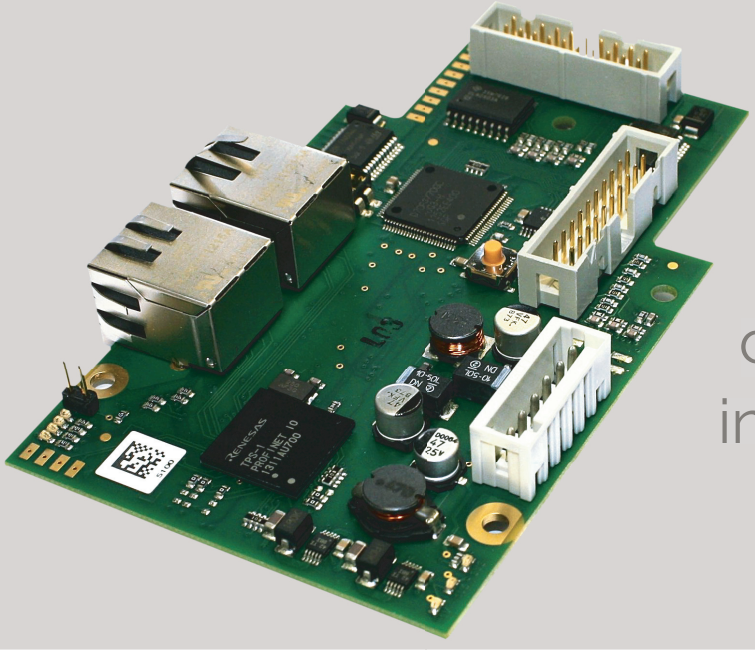
Connecting
man & machine.

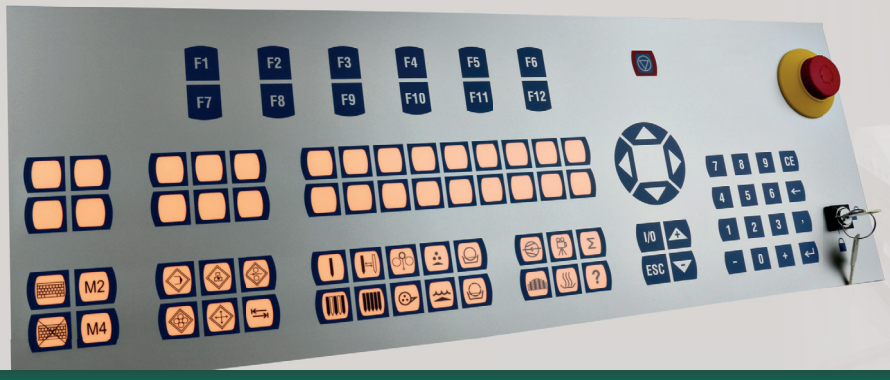
picture: KBA

PROFINET controllers



Quick and easy
custom control integration
in PROFINET environments

griessbach

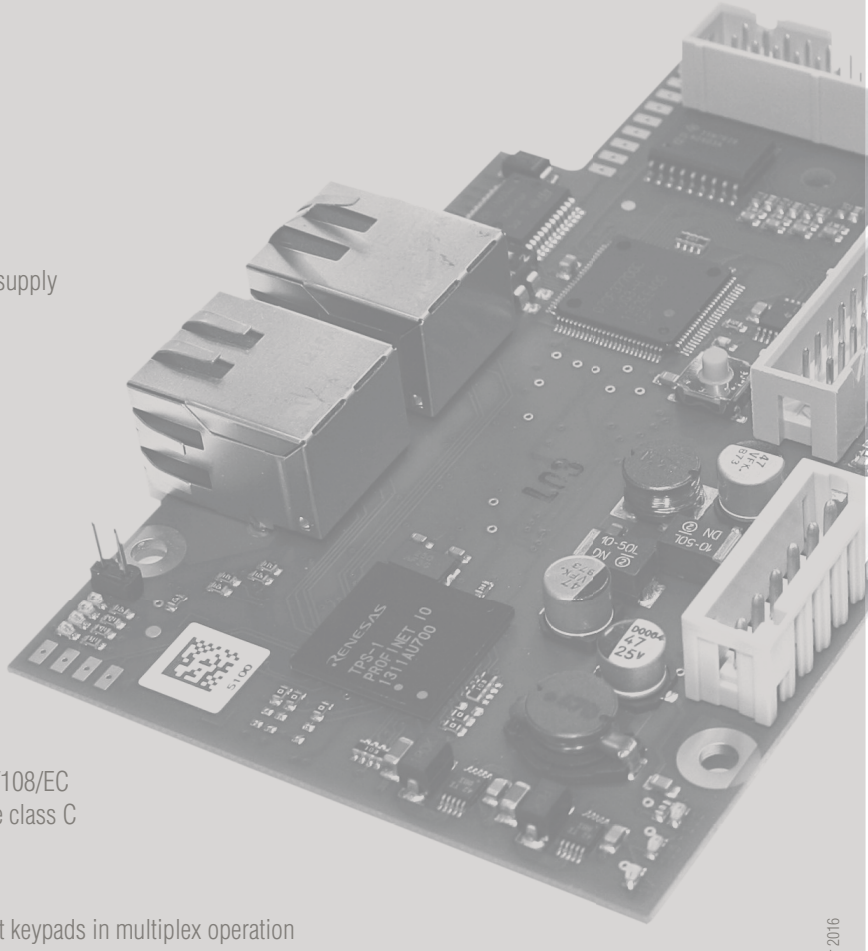


Data sheet: **PROFINET controllers**

Griessbach PROFINET controllers ensure easy integration of control systems designed to specification in PROFINET network structures for rapid integration into machine environments. Our Class C (CC-C)-certified PROFINET I/O modules use a 32-bit Renesas V850 processor with a TPS1 interface controller that includes two integrated PHYs and one IRT-enabled switch; this allows easy control system integration into existing PROFINET topologies using PROFINET I/O modules, with subnetworks as well as star and ring topologies supported. Up to 64 keys and 64 LEDs can be read or controlled in a double 4x8 matrix arrangement, allowing controller configuration for a variety of control panels for manufacture as turnkey solutions with input panels designed to customer specification. A GSD configuration file supplied ensures simple integration into a PROFINET network.

Hardware

Processor	TPS1 (PROFINET chip) V850 (application CPU)
Memory	256 KB, 40 KB RAM (V850)
Ports	Two RJ45 ports One WAGO 734-136 for the power supply Two HARTING MLW20G I/O ports
Status-LEDs	Ethernet status Internal power supply status LEDs
Dimensions (HxWxD)	114.5 mm x 69 mm x 20.5 mm
Power supply	24V DC with reverse polarity protection (16–32V)
Operating temperature	-20°C to +70°C
Hardware installation	Five holes for M3 screws
Approvals	EMC-compliant according to 2004/108/EC Certified to PROFINET conformance class C



Applications

Functionality	PROFINET I/O device for up to eight keypads in multiplex operation with 8 keys each for input, and 8 LED clusters for output Four 24 DC at up to 700 mA for each I/O connection Eight key inputs at 2 mA for each I/O connection Eight LED outputs at up to 50 mA for each I/O connection

Status: October 2016

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