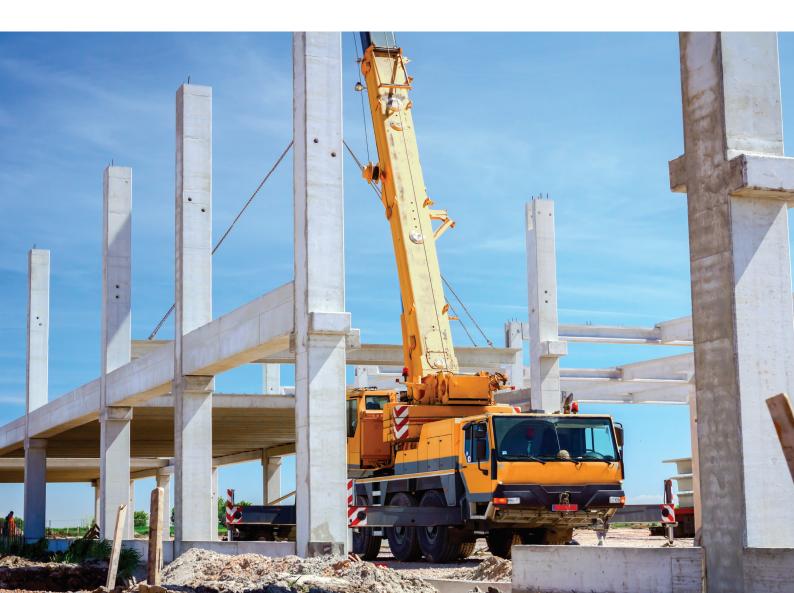


Certified according to DIN EN ISO 13849 PLd.

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Series 09 Rugged Keypads PREMIUM.

Functionally safe.

<u>Put your trust in the PREMIUM Keypad</u> – developed for maximum safety and to reduce your risks and costs. The ideal solution for safety-critical applications.

Whether in heavy-duty or specialty vehicles – wherever vehicle bodies or attachments need to be moved and controlled automatically, safety and reliability are of the utmost importance; for operators, machinery and the working environment as a whole. EAO's PREMIUM version of the Series 09 Rugged Keypad offers you an intelligent solution for demanding control tasks.

Reliable operation for safety-critical applications

The PREMIUM version of the Series 09 Rugged Keypads meet the highest safety requirements and are developed according to DIN EN ISO13849. They achieve Performance Level D (PLd), which is confirmed and certified by DEKRA Testing and Certification GmbH. The PREMIUM keypads are specially designed for safety-critical applications and offer optimum safety and reliability.

Safe communication through CAN Open Safety

The Series 09 Rugged Keypads PREMIUM variant is equipped with the CANopen Safety protocol, which has been specially developed for safety-critical applications. CANopen Safety complies with international safety standards, in particular DIN EN ISO 13849, and uses various mechanisms for error detection and error correction. Redundancy in communication increases the reliability of the entire system.

In addition to easy integration, the CANopen Safety protocol offers the same advantages as CANopen: flexibility, real-time capability and scalability.

Maximum lifetime, minimum downtime

In addition to maximising safety and reliability, the PREMIUM version of the Series 09 impresses with its robust design and long lifetime. The durable and low-maintenance keypads significantly reduce downtime thanks to an integrated safety architecture that helps to prevent errors. This not only ensures smooth operation and increased efficiency in use, but also minimises the risks for operators and manufacturers.

The increased stability of the system has a direct positive effect on your operating costs. In addition, as a customer, you also benefit from reduced development and certification costs when functionally safe components are integrated – for a faster time to market.

Key product features

- Integrated safety architecture
- Performance Level d (PLd) according to DIN EN ISO 13849
- CANopen Safety Protocol
- DEKRA certified
- Additional safety features in hardware and software (ButtonStuck Detection, Temperature Management, Permanent Heartbeat)





Advantages.

- High safety and reliabilityRisk minimisation and protection of operators and manufacturers
- Fulfilment of legal requirements
- Long lifetime and low maintenanceCost savings through error prevention and reduced downtime

Technical data	
Mechanical lifetime	up to 2 million cycles of
	operation
Operating voltage range	8-32 VDC
Safety level	Performace Level D (PLd)
Protection degree	IP6K7 accord. ISO20653
Intefaces	- CAN Interface (ISO 11898) - CANopen Safety (EN 50325-5) - Baud rate 125, 250, 500, 1000kBit/s (configurable via software) - Connector Deutsch DT04-6P

Further information on the Series 09 Rugged Keypads and detailed data sheets can be found in the brochures or in the catalogue

www.eao.com/09









EAO reserves the right to change specifications without further notice

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