

Series 09 Rugged Keypads PREMIUM Functionally safe.

Certified according to DIN EN ISO 13849 PLd.

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Series 09 Rugged Keypads PREMIUM.

Functionally safe.

Put your trust in the PREMIUM Keypad – *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 ISO 13849. 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 reliability
- Risk minimisation and protection of operators and manufacturers
- Fulfilment of legal requirements
- Long lifetime and low maintenance
- Cost 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
Interfaces	<ul style="list-style-type: none">– 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 at:

www.eao.com/09



EAO Contact.

Your centre of excellence.

Headquarters

EAO Holding AG
Tannwaldstrasse 88
CH-4600 Olten
Telephone +41 62 286 92 00
info@eao.com

Manufacturing Companies

Switzerland
EAO AG
Tannwaldstrasse 88
CH-4600 Olten
Telephone +41 62 286 91 11
info@eao.com

Business Unit Systems
Tannwaldstrasse 88
CH-4600 Olten
Telephone +41 62 286 91 11
logistics.esy@eao.com

China
EAO (Guangzhou) Ltd.
3/F, Block G4, South China
New Materials Innovation Park
31 Kefeng Road
Guangzhou Science City
CN-Guangzhou, PRC
Telephone +86 20 3229 0390
sales.ecn@eao.com

Germany
EAO Automotive GmbH & Co. KG
Richard-Wagner-Straße 3
DE-08209 Auerbach/Vogtland
Telephone +49 3744 8264 0
sales.esa@eao.com

North America
EAO Corporation
One Parrott Drive
Shelton
US-CT 06484
Telephone +1 203 951 4600
sales.eus@eao.com

Sales Companies

China
EAO (Guangzhou) Ltd.
3/F, Block G4, South China
New Materials Innovation Park
31 Kefeng Road
Guangzhou Science City
CN-Guangzhou, PRC
Telephone +86 20 3229 0390
sales.ecn@eao.com

EAO (Shanghai) Office
Rm.401, Lihpao Plaza,
NO.159 Shenwu Road,
Minhang District,
CN-Shanghai, 201106.
PRC
Telephone +86 21 6095 0717
sales.ecn@eao.com

France
EAO France SAS
27 rue Maurice Flandin
FR-69003 Lyon
Telephone +33 426 298 588
sales.eur@eao.com

**Germany, Austria, Czech Republic,
Poland, Slovakia**
EAO GmbH
Langenberger Straße 570
DE-45277 Essen
Telephone +49 201 8587 0
sales.ede@eao.com

Hong Kong (Asia Pacific)
EAO (Far East) Ltd.
Unit A1, 1/F, Block A
Tin On Industrial Building
777 Cheung Sha Wan Road
Lai Chi Kok, Kln
HK-Hong Kong
Telephone +852 27 86 91 41
sales.ehk@eao.com

Italy
EAO Italia S.r.l.
Centro Direzionale Summit –
Palazzo C1,
Via Brescia 26
IT-20063 Cernusco sul Naviglio (MI)
Telephone +39 029 247 0722
sales.eit@eao.com

Japan
EAO Japan Co. Ltd.
Net 1 Mita Bldg. 3F
3-1-4 Mita Minato-ku
JP-Tokyo 108-0073
Telephone +81 3 5444 5411
sales.ejp@eao.com

Netherlands, Belgium
EAO Benelux B.V.
Kamerlingh Onnesweg 46
NL-3316 GL Dordrecht
Telephone +31 78 653 17 00
sales.enl@eao.com

North America
EAO Corporation
One Parrott Drive
Shelton
US-CT 06484
Telephone +1 203 951 4600
sales.eus@eao.com

Switzerland
EAO Schweiz AG
Tannwaldstrasse 86
CH-4600 Olten
Telephone +41 62 286 95 00
sales.ech@eao.com

**United Kingdom, Denmark,
Finland, Ireland, Norway, Sweden**
EAO Ltd.
Highland House
Albert Drive
Burgess Hill
GB-West Sussex RH15 9TN
Telephone +44 1444 236 000
sales.euk@eao.com