

EAO Series 82 – Enhanced protection. Fast mounting.

Now also overmolded with IP67 front and rear protection and integrated M12 connector.

Olten, Switzerland, March 2022 – EAO, the expert partner for innovative, intuitive and reliable Human Machine Interfaces (HMIs), has extended the robust and attractive Series 82 with an overmolded option and M12 connector. The new version is available for selected illuminated pushbuttons within the Series 82 and offers fast mounting as well as complete front and rear IP67 protection.

It is common to expose actuators and indicators to extremely harsh operating conditions. For example in the food & beverage industry, where alkaline cleaning agents and corrosion severely affect HMIs. In addition, external factors in the form of hard-to-remove dirt, fine dust, along with severe vibrations and blunt impacts commonly encountered in heavy duty and special vehicles applications also require HMIs to offer a very high level of resistance.

Typical applications

- Food and beverage industry
- Heavy duty & special vehicles
- Buses and coaches
- Marine applications

The overmolded version of the Series 82 is capable of meeting these strict requirements offering reliable enhanced protection. These attractively designed illuminated pushbuttons feature a housing made from SUS 316L stainless steel and a Tritan light guide resistant to cleaning agents. These design features provide protection against wear and ensure consistent clarity of both the dot and the ring illumination.

Advantages of the overmolded version

- Complete IP67 protection for illuminated pushbuttons
- Tritan light guide resistant to cleaning agents
- Housing made of SUS 316L stainless steel
- High resistance to vibration and impact
- M12 connector for fast and resilient mounting
- 24VDC illuminated versions available with red, green, white or blue LEDs

The switches utilize a robust M12 connector. This connection method saves customers time when it comes to mounting as well as enabling a highly resilient HMI connection. The rear of the device is also IP67-compliant thanks to the overmolding of the switch and connector, ensuring that the HMI has complete and reliable protection. The overmolded version also offers very high resistance to vibrations and impact.

Read more on www.eao.com/82

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About EAO:

Human Machine Interfaces. Since 1947.

EAO AG, a Swiss, family-owned company founded in 1947, has developed into one of the world's leading manufacturers of high-quality switches, keyboards, sophisticated control elements, and complete HMI control units and HMI Systems. With over 600 dedicated employees, EAO has a global production and distribution network at its disposal. And with production sites in Switzerland, Germany, North America and China, as well as our 10 country sales companies and distributors in over 50 countries, we can guarantee global availability.

Your solution-focused expert and partner

EAO does much more than just manufacture individual control elements. As a solution-focused partner, we provide the option of technically and mechanically customising existing HMI Components in line with our customers' individual requirements. From simple control elements through to sophisticated HMI Systems, from serial production through to installation – we offer the entire range of HMI services and inspire the confidence of our customers.

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► Picture material and texts can be found at:

http://www.eao.com/fileadmin/news/EHQ/ZIP/EAO_PPR20-01_S82_NEW_Overmolded-and-with-M12.zip