

Keypad PREMIUM.



Functional Safety

- Developed and certified according to the safety requirements of DIN EN ISO 13849-1:2023
- Performance Level d (PLd)
- MTTFd (in operating years): 183 (Loaddump B)
- PFH: <21 FIT (Loaddump B)
- DC: >90 %

Mechanical characteristics

- Actuation force: approx. 6.5 N
- Overload: 250 N
- Mechanical lifetime: up to 2 million cycles of operation
- Impact resistance: IK07 according to IEC 62262

Electrical characteristics

- Operating voltage range 8–32 VDC

Illumination

- Halo ring and symbol illumination can be configured independently
- LED symbol illumination
 - Colour: white
 - Luminance: approx. 20 cd/m² (dimable)
- LED halo ring illumination with four freely configurable segments
 - Multi-colour: RGB LED
 - Luminance: approx. 1500 cd/m² (dimable)
- Illumination functions: steady lighting, flashing, pulses, rotations, colour changes
 - Halo and symbol illumination can be configured individually

Symbols

- Symbols in accordance with ISO 7000
- Customer-specific symbols on request

Interfaces

- CAN interface (ISO 11898)
- CANopen Safety (EN 50325-5)
- Baud rate 125, 250, 500, 1000 kBit/s (software configurable) *¹
- Connector Deutsch DT04-6P
- Designed in accordance with the safety requirements of vehicles as per ISO 26262 ASIL B and EN ISO 13849 PL d

Ambient conditions

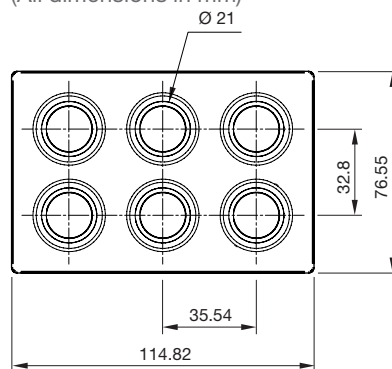
- Operating temperature: –40 °C ... +85 °C
- Storage temperature: –40 °C ... +85 °C

Protection degree

- IP6K7 according to ISO 20653
- Up to IP6K7 (panel/screw-in version)
- Up to IP5K4 (panel/clip-in version)

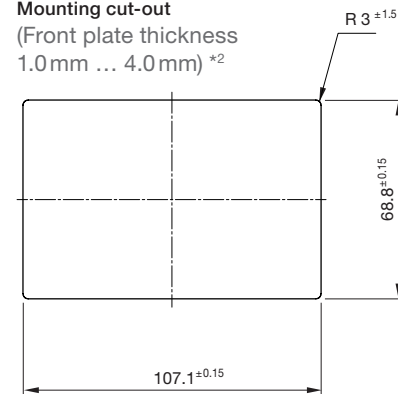
Dimensions

(All dimensions in mm)



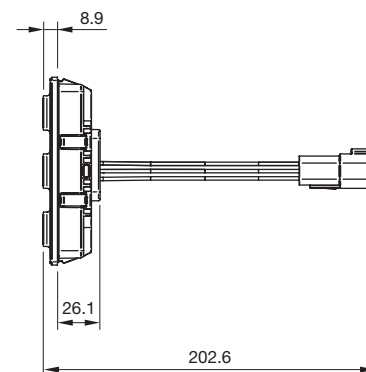
Mounting cut-out

(Front plate thickness 1.0 mm ... 4.0 mm) *²

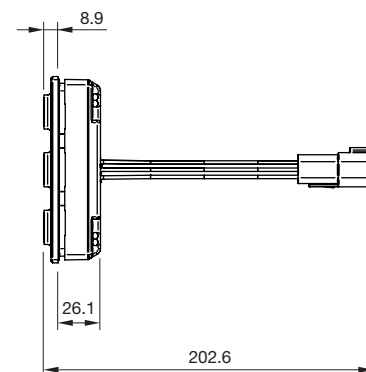


Mounting

Clip-in mounting



Screw-in mounting



*¹ In development

*² For vibration-proof mounting, a front plate of at least 2 mm thickness is recommended.