



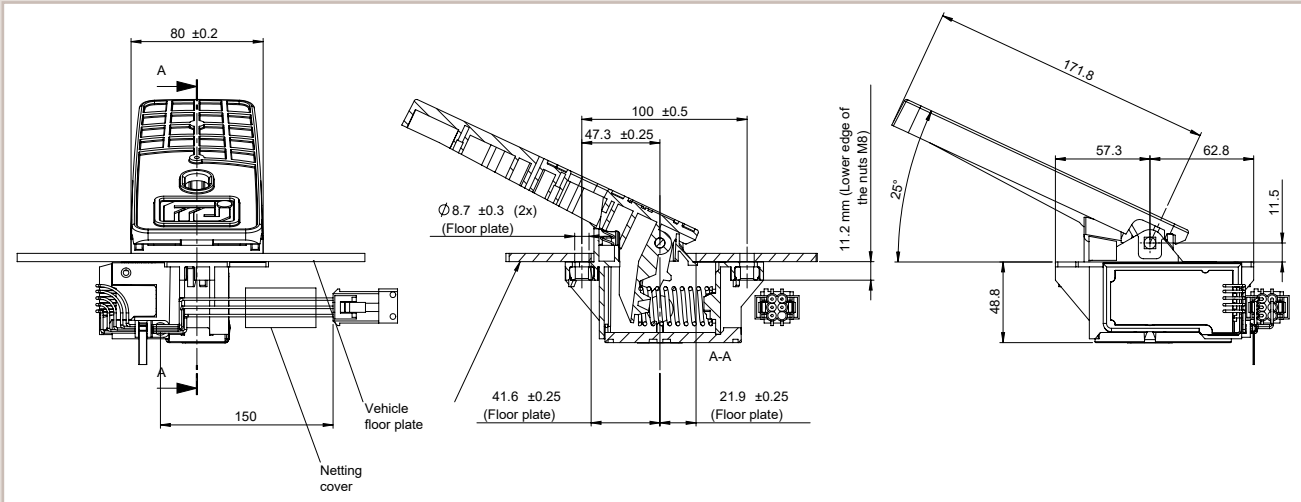
## PREMO UNITY ACCELERATOR AND BRAKE PEDAL

Underfloor mounting makes the PREMO UNITY pedal very ergonomic. The difference between the accelerator and the brake pedal lies in the spring force. The electronics are available in a number of versions with different output characteristics for the connection to the traction controller.

The non-contacting Hall-effect sensors and the completely sealed electronics make this pedal suitable for use in particularly harsh environments. A special feature of the PREMO UNITY pedal is its functional safety in accordance with EN ISO 13849.

- Underfloor mounting for ergonomic operation
- Non-contacting Hall-effect technology
- For safety-related applications according to EN ISO 13849
- Various supply voltages available
- Various output signals available
- Various connectors available
- Ideal for harsh environmental conditions
- Electronics: Protection class IP 65

## Dimensions [mm]



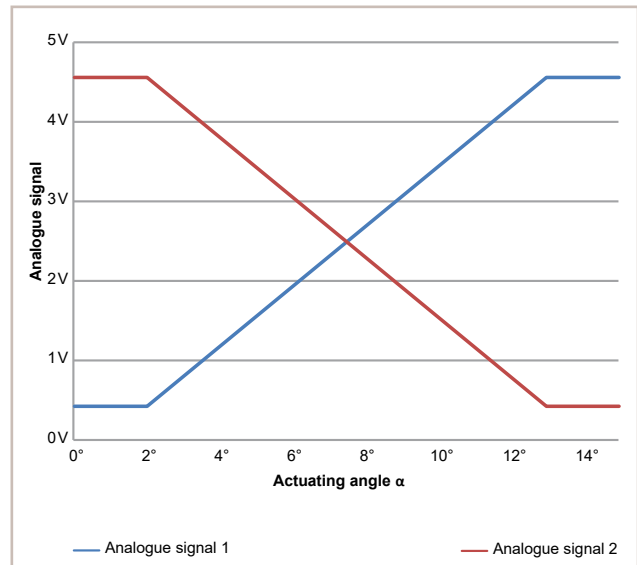
### Technical data

Technology	Contactless via Hall sensors
Mechanical angle of rotation	15°

### Operating conditions

Operating temperature	-40°C to +80°C
Protection class according to EN 60529	IP 65 (for electronic components)

### Output signals



### Different accelerator and brake pedal versions

Type	Accelerator pedal	Brake pedal	Accelerator pedal
Item No.	3103-00710-03	3103-00711-03	3103-00710-05
Actuation force	2.4 - 4.1 Nm	3.1 – 22.1 Nm	2.4 – 4.1 Nm
Nominal voltage	2 x 5 VDC	2 x 5 VDC	2 x 24 VDC
Power consumption	20 mA	20 mA	20 mA
Analogue signal 1	0.5 – 4.5 V (ratiometric)	0.5 – 4.5 V (ratiometric)	0.5 – 4.5 V (ratiometric)
Analogue signal 2	4.5 – 0.5 V (ratiometric)	4.5 – 0.5V (ratiometric)	4.5 – 0.5V (ratiometric)
Plug-in connector	Tyco SuperSeal, male, 6-pin 282108-1	Tyco SuperSeal, male, 6-pin 282108-1	Tyco SuperSeal, male, 6-pin 282108-1