



Transponder safety switches T4000 Direct Sensor

T40-E0121K



Model Name > [T40-E0121K](#)
Part No. > [6035042](#)

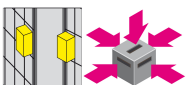
At a glance

- Multicoded and unique coded sensors
- Response range of up to 19 mm
- Safe series connection of up to 20 sensors possible
- Two OSSD safety outputs for direct connection of sensors to a single safety controller
- LED status indicator
- Up to performance level PL e / Cat. 4 (EN ISO 13849)
- Sensors with plug connector

Your benefits

- High level of prevention against tampering due to individually coded actuator (depending on type)
- High level of machine availability due to high tolerances for door misalignment
- High level of machine reliability due to resistance to shocks and vibrations
- Direct connection to the safe control solution eliminates any additional wiring and reduces installation time
- Cascadability of up to 20 sensors saves costs
- Just one safety switch in conjunction with a suitable safety module makes it possible to solve applications up to PL e and Cat. 4 (EN ISO 13849)
- Long service life due to durable and low-maintenance design

Note: The actuator has to be ordered separately. See "Accessories" for further details.



*actuator not supplied
with delivery*

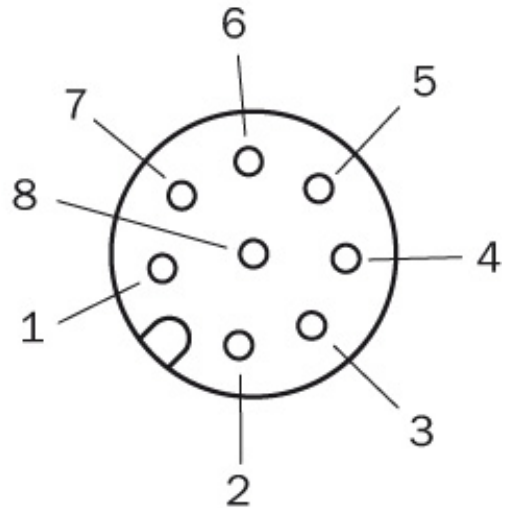
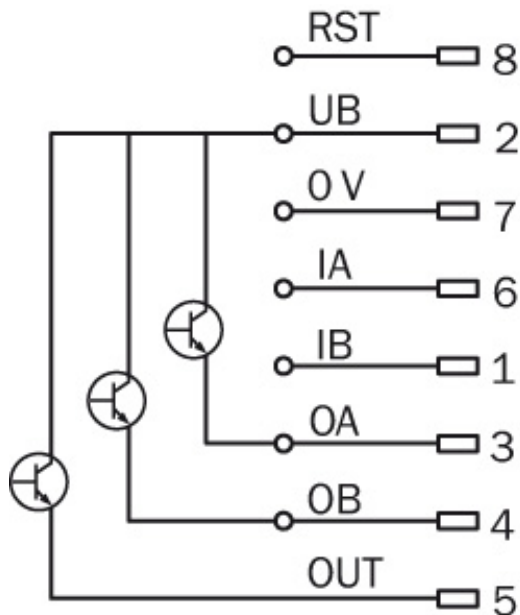
Technical data

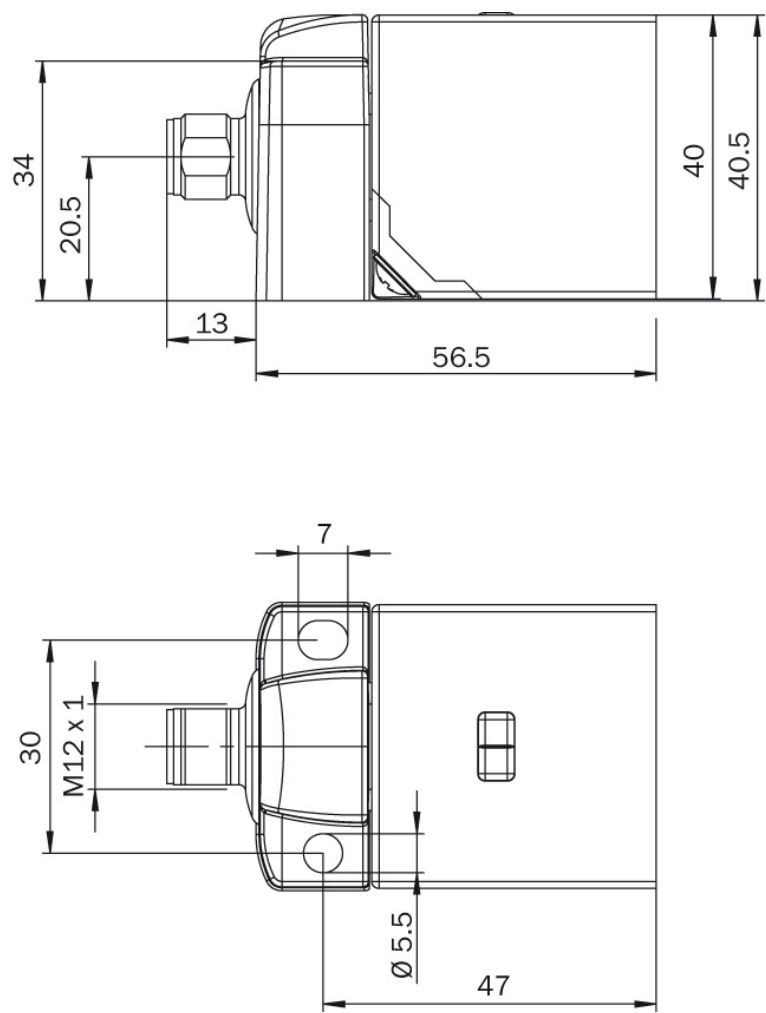
Sensor principle:	Transponder
Coding:	Unique coded
Safety integrity level:	SILCL3 (EN 62061)
Category:	Category 4 (EN ISO 13849)
Performance level:	PL e (EN ISO 13849)
PFHd:	2.1 * 1E-09 (EN ISO 13849)
TM (mission time):	20 a (EN ISO 13849)
Classification in compliance with IEC/EN 60947-5-3:	PDF-M
Housing material:	Plastic PTB VO GF30

Enclosure rating:	IP 67
Protection class:	III
Ambient operating temperature from ... to:	-20 °C ... 55 °C
Connection type:	Connector
Size of the cable gland:	M12
Type of output:	Semiconductor (OSSD)
Number of safe outputs:	2
Response time:	290 ms
Supply voltage typical, from, to:	24 V DC, 20.4 V DC, 27.6 V DC
Rated operating current (voltage):	0.4 A (24 V DC)
Safe switch on distance Sao:::	15 mm 18 mm 1) 2) 3) 19 mm
Status display:	✓
Weight:	0.4 kg

1) With actuator T4000-1KBA 2) With actuator T4000-1KBQ 3) With actuator T4000-1KBR

Connection diagram





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