



Transponder safety switches T4000 Multi Evaluation unit

T4000-1RCA02



Model Name > [T4000-1RCA02](#)
Part No. > [6029946](#)



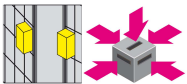
At a glance

- Small sensors with external evaluation unit
- Connection of up to four sensors to a single evaluation unit
- Response range of up to 32 mm
- Sensors with plug connector or connected cable
- Up to performance level PL e / Cat. 4 (EN ISO 13849)

Your benefits

- High level of prevention against tampering due to individually coded actuator
- High level of machine availability due to high tolerances for door misalignment
- High level of machine reliability due to resistance to shocks and vibrations
- Ability to connect up to four sensors to a single evaluation unit reduces costs
- Space-saving mounting due to compact housing design
- 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)
- The devices are easy to clean, making them suitable for contaminated areas or environments with strict hygiene standards
- Long service life due to durable and low-maintenance design

Note: The technical data SILCL, category, PL, PFHd and TM apply at maximum switch load.



Functions

External device monitoring (EDM):	✓
Self-testing:	✓

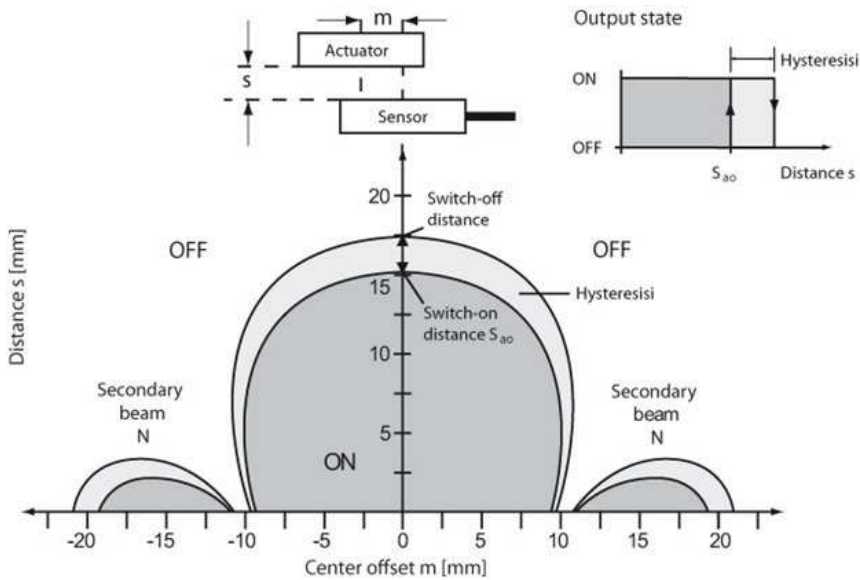
Technical data

Safety integrity level:	SILCL3 (EN 62061)
Category:	category 4 (EN ISO 13849)
Performance level:	PL e (EN ISO 13849)
PFHd::	1.5 * 1E-08 (EN ISO 13849) ^{1) 2)} 9.6 * 1E-08 (EN ISO 13849)
TM (mission time)::	2 a (EN ISO 13849) ^{3) 4)} 20 a (EN ISO 13849)
Classification in compliance with IEC/EN 60947-5-3:	PDF-M

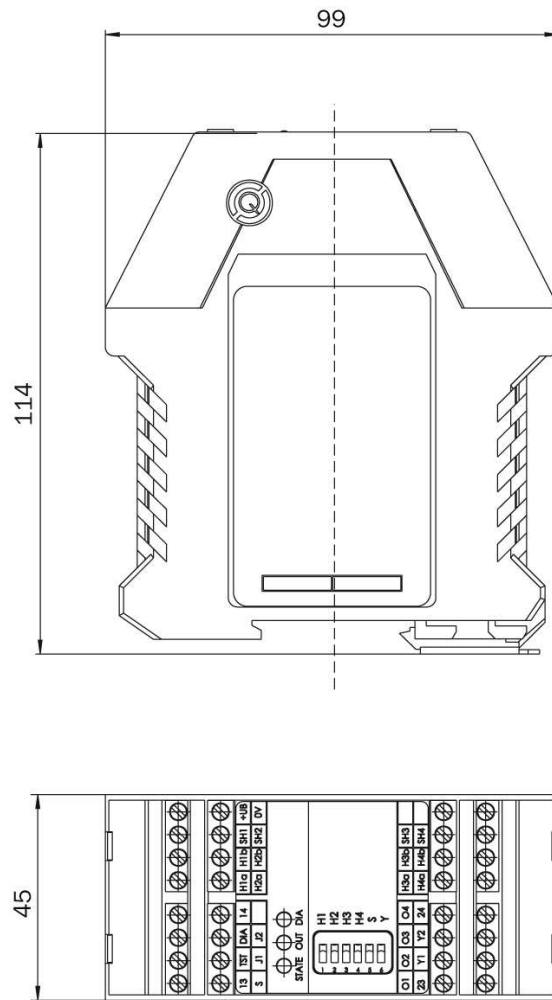
Housing material:	Plastic PA6.6
Enclosure rating:	IP 20 (IEC 60529)
Protection class:	III
Ambient operating temperature:	0 °C ... +55 °C
Type of output:	Relays
Number of safe outputs (N/O):	2
Response time:	290 ms
Supply voltage typical, from, to:	24 V DC, 21 V DC, 27 V DC
Usage category:	AC-12/DC-12, AC-14/DC-13 (EN 60947-5-1)
Rated operating current (voltage):	0.3 A (60 V AC) 50 Hz 6 A (30 V AC) 50 Hz 0.3 A (60 V DC) 6 A 30 V DC (1.5 A) 230 V AC 50 Hz (1.2 A) 24 V DC
Mechanical life (relay contacts):	10* 1E 06 switching cycles
Type of connectable sensors:	T4000 DNAC, T4000 DNA05P, T4000 DNA10P, T4000 DNA15P
Status display:	✓
Weight:	250 g
ATEX approval:	-

1) 3) With < 23.000 switching cycles p.a. 2) 4) With < 180.000 switching cycles p.a.

Response range



Dimensional drawing



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