



SSP

Safety System Products

THM-RX-SMDU-QM

Safety switch with locking function and emergency release

Your advantages

- Robust but slimline metal housing
- Protection class IP65
- PLd according to EN ISO 13849-1
- Modular and individual configuration
- M12-12 pin plug connection
- Safety locking for protection of personnel



To the downloads ►

we simplify safety

THM-RX-SMDU-QM

tGard offers you innovative solutions for combining safety functions and operating elements at access points to dangerous machines and plants. The compact and extremely robust metal housing provides you with the required stability and durability.

tGard can be adapted to your requirements due to its modular design. Depending on the safety requirements at your plant, you can select and combine various different safety functions such as position monitoring, locking or key transfer systems. tGard combines safety and operation. Alongside the safety functions, you can also select a diverse range of operating elements. Whether indicator lights for status reports, call and release buttons, emergency stop buttons or selection switches, you decide what you require.

General data

Functional type	Safety switch with guard locking and escape release
Type designation	THM-RX-SMDU-QM
- Colour	dark gray
Item number	ITM-00412093
Service life TM (EN ISO 13849-1)	20 Years
Utilisation category for signal contacts	DC13: Le=0.5 A, Ue=24 V DC
Emergency release	Yes, 60 mm

Safety data

Category (EN ISO 13849-1:2015)	3
SIL (acc. IEC 62061)	2
Approvals	EN13849-1:2008 EN13849-2:2012 EN62061:2005 EN14119:2013

Environmental conditions

Max. storage temperature	0 ... +60 °C
Max. operating temperature	0 ... +40 °C

Electrical data

- Solenoid control	24V DC
Connection type	M12 12-pin male connector
Safety locking for protection of personnel	Yes

THM-RX-SMDU-QM

Auxiliary mechanical release	Yes
Utilisation category for safety contacts	DC13: Le=0,5 A, Ue=24 V DC AC15: Le=1 A, Ue=24 V AC

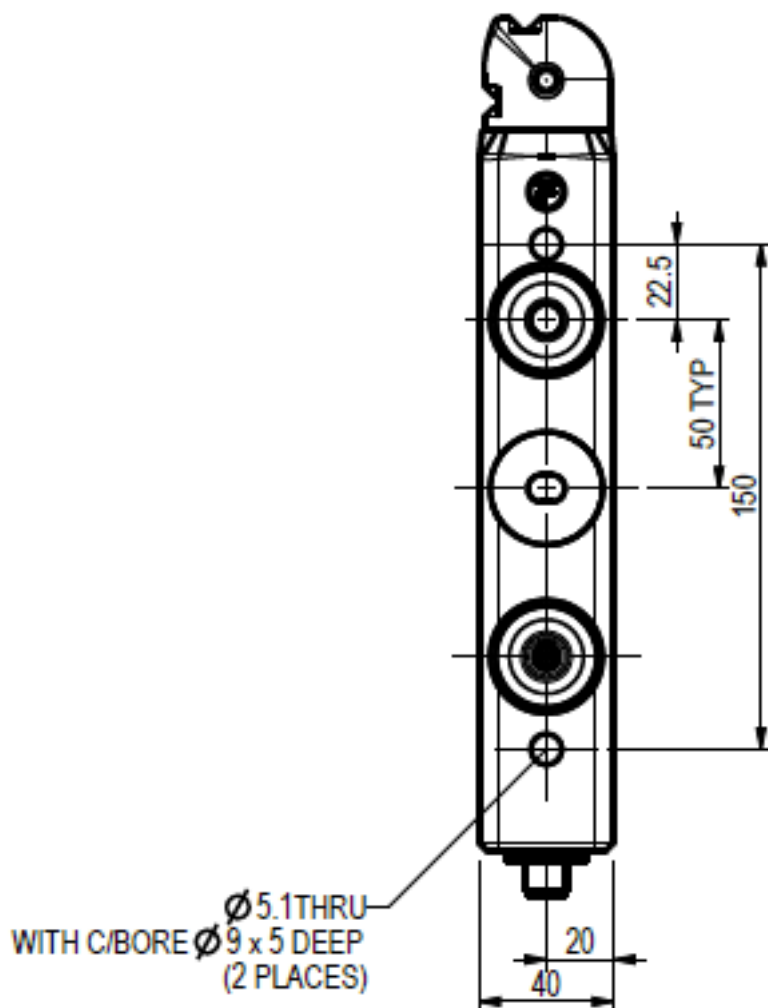
Mechanical data

Mechanical service life	1.000.000 switching cycles
Width	40 mm
Actuating force	5 to 10 NM
Locking force Fmax	2500 N
Fixing force	5 bis 10 N
UL and CSA approval	Yes

Drawings

THM-RX-SMDU-QM

Dimensions



Equipment

Wireless Safety

Safety Simplifier | for tGard SMDU

S14LDRB-H08-E2-I1-Q1A0-Q

SP-X-89-000-54

2A0-Q3C0-Q4J0-W14



THM-RX-SMDU-QM

Safety Simplifier for tGard SMDU	S14LDRB-H09-E2-I1-I1-Q1A0- Q2A0-Q3C0-Q4J0-W15	SP-X-89-000-55	
Safety Simplifier for tGard und and SAFIX3	S14LDRB-H09-E2-I1-I1-Q1A0- Q2M0-Q3C0-Q4J0-W59	SP-X-89-100-34	
Safety Simplifier for tGard SMDU	S14LDRB-H0A-E2-I1-I1-I1-Q1 A0-Q2A0-Q3C0-Q4J0-W16	SP-X-89-000-56	
Safety Simplifier for tGard and SAFIX 3	S14LDRB-H0A-E2-I1-I1-I1-Q1 A0-Q2M0-Q3C0-Q4J0-W60	SP-X-89-100-35	
Safety Simplifier for tGard SMDU	S14LDRB-H0A-E2-I1-I1-K4-Q1 A0-Q2J0-Q3C0-Q4J0-W17	SP-X-89-000-57	
Safety Simplifier for two tGard SMDU	S16LDRB-H08-E2-I1-Q1A0-Q 2J0-Q3C0-Q4J0-W18	SP-X-89-000-58	
Safety Simplifier for two tGard SMDU	S16LDRB-H09-E2-I1-I1-Q1A0- Q2J0-Q3C0-Q4J0-W19	SP-X-89-000-59	
Safety Simplifier for two tGard SMDU	S16LDRB-H0A-E2-I1-I1-I1-Q1 A0-Q2J0-Q3C0-Q4J0-W20	SP-X-89-000-60	

Safety switches

THM-RX-SMDU-QM

	TAF	ITM-00046007	
	TAH	ITM-00046008	
	TAS	ITM-00046010	
	TEH	ITM-00046013	

Downloads

- CAD Daten