

Safety switch TP with guard locking and guard lock monitoring



- ▶ Mechanical release on the front
- ▶ With door monitoring contact
- ▶ Increased horizontal overtravel



Approach direction



Horizontal and vertical
Can be adjusted in 90° steps
Increased overtravel for horizontal approach direction.

Mechanical release

Is used for releasing the guard locking with the aid of a tool. To protect against tampering, the mechanical release is sealed with sealing lacquer.

Solenoid operating voltage

- ▶ AC/DC 24 V +10%, -15%
- ▶ AC 110 V +10%, -15%
- ▶ AC 230 V +10%, -15%

Guard locking types

TP3 Closed-circuit current principle, guard locking by spring force. Release by applying voltage to the guard locking solenoid.

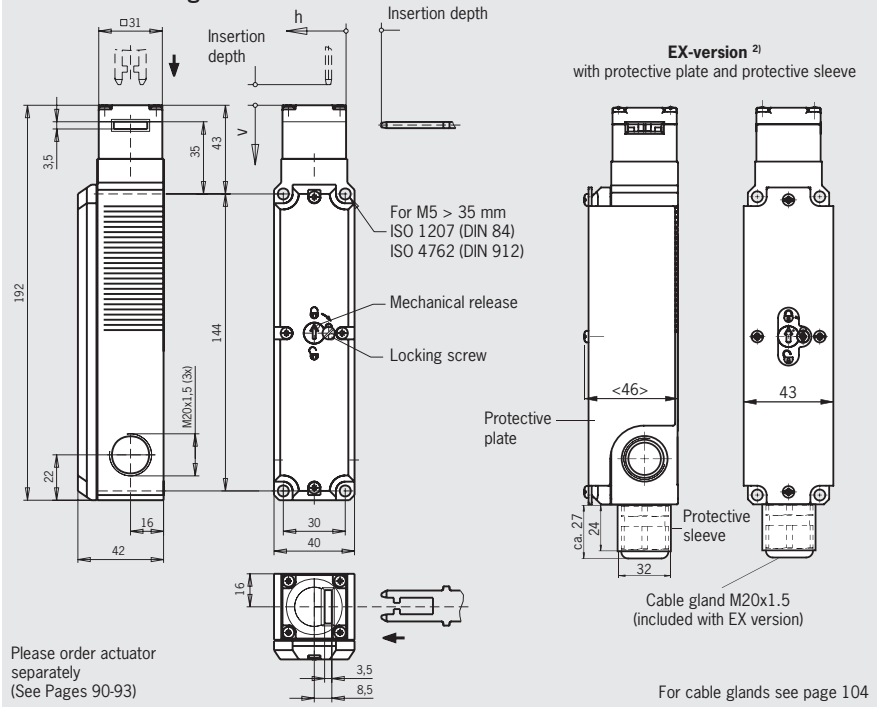
TP4 Open-circuit current principle, guard locking by applying voltage to the guard locking solenoid. Release by spring force.

Switching elements

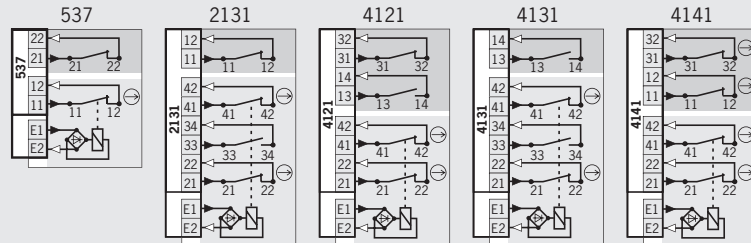
- ▶ **537** Slow-action switching contact
1 NC ⊕ + 1 NC (door monitoring contact)
- ▶ **2131** Slow-action switching contact
2 NC ⊕ + 1 NO + 1 NC (door monitoring contact)
- ▶ **4121** Slow-action switching contact
2 NC ⊕ + 1 NC / 1 NO (door monitoring contact)
- ▶ **4131** Slow-action switching contact
2 NC ⊕ + 1 NO + 1 NO (door monitoring contact)
- ▶ **4141** Slow-action switching contact
2 NC ⊕ + 2 NC ⊕ (door monitoring contact)

Cable entry M20 x 1.5

Dimension drawing



Wiring diagrams Actuator inserted and locked



- Solenoid monitoring
- Door monitoring

For switching functions see technical data on Page 132

Ordering table

Series	Connection	Guard locking	Switching element	Version	Solenoid operating voltage		
					AC/DC 24 V	AC 110 V	AC 230 V
TP	M Cable entry 3 x M20 x 1.5	3 Mechanical	537 1 NC ⊕ + 1 NC		084336 TP3-537A024M	084337 TP3-537A110M	084338 TP3-537A230M
			2131 2 NC ⊕ + 1 NO + 1 NC		084142 TP3-2131A024M	084143 TP3-2131A110M	084144 TP3-2131A230M
			2131 2 NC ⊕ + 1 NO + 1 NC	ATEX incl. cable gland	093791 2) TP3-2131A024M-EX	-	-
			2131 2 NC ⊕ + 1 NO + 1 NC	C1761 Cable gland in rear of housing	084290 3) TP3-2131A024MC1761	-	-
			4121 2 NC ⊕ + 1 NC / 1 NO		084135 TP3-4121A024M	084137 TP3-4121A110M	084138 TP3-4121A230M
			4131 2 NC ⊕ + 1 NO + 1 NO		084129 TP3-4131A024M	084130 TP3-4131A110M	084131 TP3-4131A230M
			4141 2 NC ⊕ + 2 NC ⊕		084270 TP3-4141A024M	088264 TP3-4141A110M	-

1) With cable entry M, DC 24 V / AC 110 V 2) 3 G Ex nC IIB T4 Gc X / 3) II 3 D Ex tc IIC T110°C Dc X