

RAMO 30 E, M12, round collar, 2 NC, Gold, M12 4-pin A-coded, reset by rotating, Mushroom head red, arrows red



Description

Emergency stop with M12 connection: RAMO E switches are designed with two NC contacts for a switching voltage of 35 V. They comply with all applicable ISO and IEC standards and are characterized by their simple, time-saving installation. Like the entire RAMO series, the emergency stop switches feature installation-friendly M12 plug-in connections that reduce wiring effort to a minimum.

Additional information according to UL certificate:

For Class 2 Power Source or Limited Voltage / Limited Current only  
Installation only by trained specialist personnel.  
Type 4x Indoor only with cable "Cat. No. 7000-08061-0210100 PUR 4x0.25mm² with M8 connector, rated max. 30VAC/DC 4A, manufactured by Murrelektronik GmbH" and "Cat. No. 7000-12221-0340100 PUR 4x0.34mm² with M12 connector, rated max. 30VAC/DC 4A, manufactured by Murrelektronik GmbH"  
For Use on a Flat Surface of a Type 1 or 4x indoor only Enclosure.



technical data

> general

Potential free	yes
Color of mushroom	red
Legending color	red
Collar color	yellow
Collar shape	round
Operating temperature, min.	-40 °C
Operating temperature, max.	85 °C
Storage temperature, min.	-40 °C
Storage temperature, max.	90 °C
illuminated	No
Packaging	Box
Packaging unit	2 pcs.
net weight	32 g
Operating life	50,000 cycles
B10	65,000 cycles
B10d	130,000 cycles
Degree of protection, front side, according to DIN EN 60529	IP65 IP66

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Degree of protection, rear side, according to DIN EN 60529	IP65 IP67
UL Enclosure Type Rating front side	type 4X indoor
Environment resistance	IEC 60068-2-14 IEC 60068-2-30 IEC 60068-2-33 IEC 60068-2-78
Shock resistance according to standard IEC 60068-2-27	50 g at 11 ms amplitude semi-sinusoidal
Salt-spray resistance according to standard	IEC 60068-2-11
Impact resistance IK	06 side 07 frontal
oscillation resistance according to standard IEC 60068-2-6	5 g at 10...500 Hz
Minimum order quantity (MOQ)	2 pcs.
Pollution degree acc. to DIN EN 61010-1	Pollution degree 2
RoHS compliant	Yes
REACH compliant	Yes
country of origin	HU
<b>&gt; mounting diameters</b>	
Outside dimension, length	34.5 mm
Outside dimension, width	34.5 mm
Outside dimension, height	69.7 mm
Mounting hole	30.3 mm
Mounting depth	36.3 mm
Installation height	33.4 mm
Grid, min.	35 mm
<b>&gt; mechanical data</b>	
Actuation function	latching
Resistance to force on the side	300 N
Contact function	2 NC
Contact material	Gold
Resetting	by rotating
Fixing	Threaded ring
Threaded ring torque, max.	1.2 Nm
Terminal on the rear	M12 4-pin A-coded
PIN 1	Normally closed contact 1
PIN 2	Normally closed contact 1
PIN 3	Normally closed contact 2
PIN 4	Normally closed contact 2
<b>&gt; electrical data</b>	
Rated insulation voltage	250 V
Rated surge voltage	2,500 V
Rated voltage, min.	1 V
Rated voltage, max.	35 V

Voltage type	DC
Rated operating current	0.1 A
Rated operating voltage	1-35 V
Rated current, min.	0.001 A
Rated current, max.	0.1 A
Power loss	0.00080 W
Overvoltage category	2
Kind of short circuit protective device	fuse 250 V / 0,1 A / 1,5 kA gG quick
Conditional short circuit current	1,000 A

➤ **Specifications according to IEC 60947-5-1**

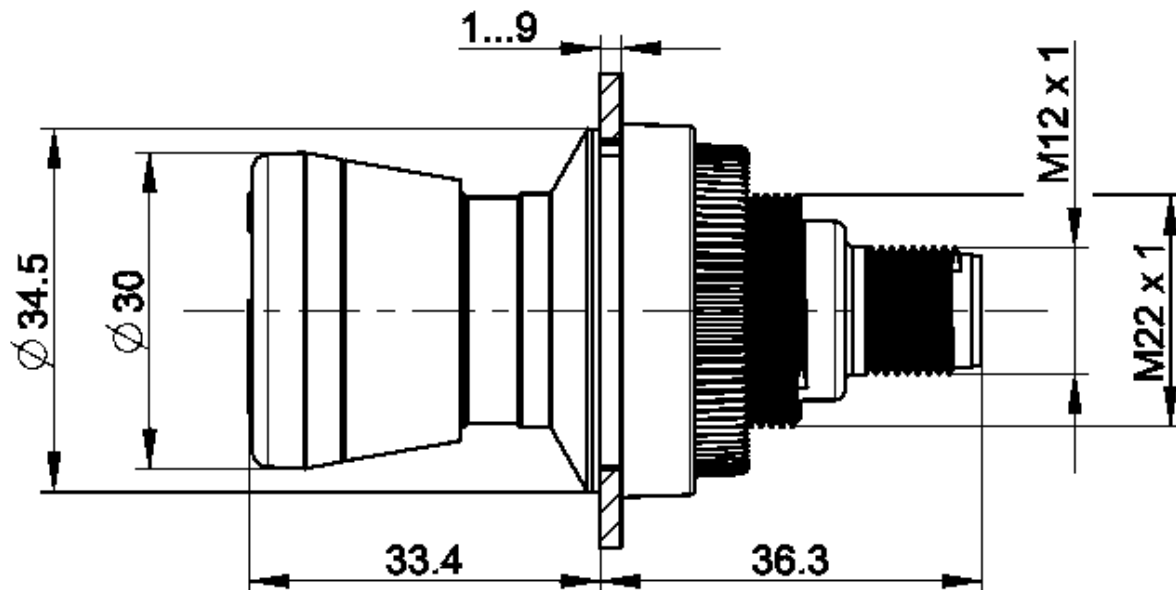
Rated operating voltage	35 V (AC-15) 35 V (DC-13)
Rated surge voltage	2,500 V

➤ **Specifications according to UL 60947**

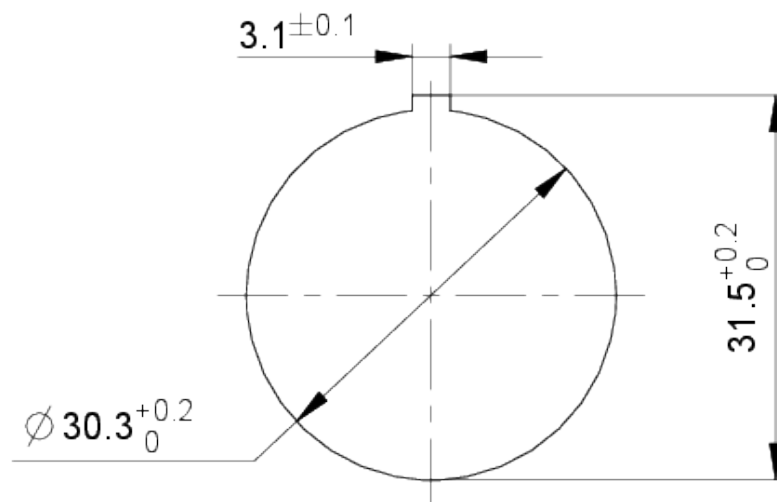
UL Enclosure Type Rating front side	type 4X indoor
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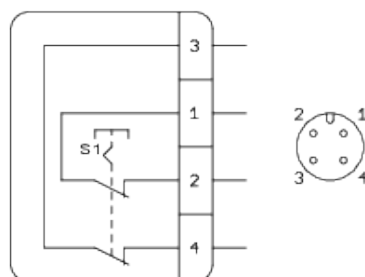
## drawings

### Dimensioned drawing



### Mounting hole drawing



**Schematic diagram**

**Mode d'emploi auxiliaires de commande  
d'ARRÊT D'URGENCE (Traduction original)**