

Emergency stop buttons



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Modular contact

General Data

Type Reference:	CCC, CSA, ENEC05, KEMA, CE, GOST-R, TÜV_Süd, UkrSepro, UL
Approvals:	II (protective insulation)
Protection class:	6 mm
Operation travel:	screw connection 2x2.5mm ²
Connection type Contact material:	AgNi
Max. storage temperature:	-50°C ... 85°C
Max. operating temperature:	-30°C ... 85°C, without illumination
Mechanical life:	-30°C ... 55°C, using incandescent lamps -30°C ... 65°C, using LED's 1m operations
Electrical life (rated load):	1m operations at rated load
Contact resistance NO:	< 20 mOhm
Contact resistance NC:	< 20 mOhm
Min. current:	1 mA (under laboratory conditions) 5 V
Min. voltage:	< 10ms
Bouncing time NO:	< 10ms
Bouncing time NC:	acc. to EN60947-5-1, appendix. K
Positive opening contact:	

Electrical data acc. to IEC/EN 60947-5-1 (VDE 0660 Sect. 200)

Utilisation category:	alternate current AC15 A600	direct current DC13 Q600
Rated insulation voltage U _i :	600 V	600 V
Rated operational voltage U _e :	250 V / 440 V	440 V / 250 V / 125 V / 60 V / 24 V
Rated operational current I _e :	3 A / 1,6 A 10 I _e 16 A	0,12 A / 0,2 A / 0,4 A / 1 A / 2 A 1,1 I _e 16 A
Breaking capacity:		
Continuous thermal current:	AC15	DC13
Rated insulation voltage U _i :	250 V	250V
Rated operational voltage U _e :	250V	250V / 125V / 60V / 24V
Rated operational current I _e :	3 A	0,2A / 0,4A / 1A / 2A

Electrical data acc. to IEC/EN 61058-1 (VDE 0630 Sect. 1)

Rated voltage U _e :	250 V~ / 440 V~
Rated current I _e :	16(10) A / 10(6) A
Rated voltage U _e :	
Rated current I _e :	250 V~ 16(10) A

Ö=Öffner; S=Schließer; Z=Zustimmkontakt; ÖN=Öffner nacheilend; SV=Schließer voreilend; Mi=Mittenkontakt

Electrical Data acc. to UL 508

Ratings:	A 600, 600 V AC
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Not-Halt/Not-Aus-Taster Emergency stop buttons

Dimensions in mm

entspricht BG nach
DIN EN 1672-2
sowie GS-FW 01/01
complies with
DIN EN 1672-2 and
GS-FW 01/01

IP 65, IP 66, IP 69K

Not-Aus-Taster für Hygiene-Bereiche Emergency-stop head for hygienic application	
UL-Approbation UL-approval	
Typ Type QRUVP	Best.-Nr. Ref. No. 308799

Einbauöffnung Mounting diameter	Ø 22 mm
überlistsicher foolproof	Ja Yes
Schaltstellungsanzeige switching position indicator	Nein No
Blockierschutzkragen anti-lock collar	Nein No
Entriegelung release	Rechts- und Linksdrehung twist right or left
Norm Standard	EN 60947-5-1, EN 60947-5-5, EN 60068, EN 13850
Pilzknopf mushroom head	rot red
Frontrahmen front bezel	gelb yellow

Dimensions in mm

IP 65

Not-Aus-Taster Emergency-stop head	
UL-Approbation UL-approval	
Typ Type QRBUV	Best.-Nr. Ref. No. 217788

Einbauöffnung Mounting diameter	Ø 22 mm
überlistsicher foolproof	Ja Yes
Schaltstellungsanzeige switching position indicator	Ja Yes
Blockierschutzkragen anti-lock collar	Ja Yes
Entriegelung release	Rechts- und Linksdrehung twist right or left
Norm Standard	EN 60947-5-1, EN 60947-5-5, EN 60068, EN 13850
Pilzknopf mushroom head	rot red
Frontrahmen front bezel	gelb yellow

Dimensions in mm

Hinweis:
Der Anwender muss eine
leichte Erreichbarkeit der
Not-Aus-Taste mit
Schutzkragen
sicherstellen!
Please note:
The emergency-stop
head must be easy
accessible by the user.

IP 65

Not-Aus-Taster mit Schutzkragen Emergency-stop head with protective shroud	
UL-Approbation UL-approval	
Typ Type QRSKUV	Best.-Nr. Ref. No. 308800


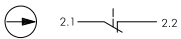

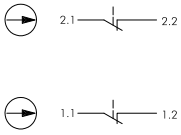

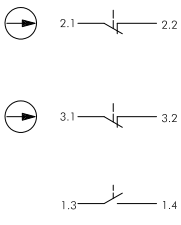
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Not-Halt/Not-Aus-Taster

Emergency stop buttons



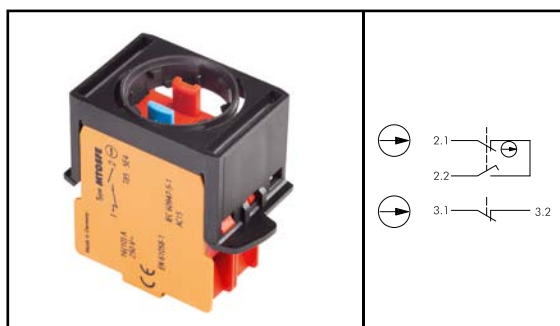
Kontaktsätze Modular contact blocks

		<table border="1"> <thead> <tr> <th colspan="2">Kontaktblock Modular contact block</th> </tr> </thead> <tbody> <tr> <td colspan="2">Modulhalter MHR_3 bestückt mit 1 Kontaktgeber MTO (1 Ö) Module holder incl. 1 MTO (1 NC)</td> </tr> <tr> <td>Typ Type MHTO</td> <td>Best.-Nr. Ref. No. 308 983</td> </tr> <tr> <td>Schraubanschluss screw connection</td> <td>2x2,5 mm² 2x2.5 mm²</td> </tr> <tr> <td>Kontaktwerkstoff contact material</td> <td>AgNi</td> </tr> </tbody> </table>	Kontaktblock Modular contact block		Modulhalter MHR_3 bestückt mit 1 Kontaktgeber MTO (1 Ö) Module holder incl. 1 MTO (1 NC)		Typ Type MHTO	Best.-Nr. Ref. No. 308 983	Schraubanschluss screw connection	2x2,5 mm ² 2x2.5 mm ²	Kontaktwerkstoff contact material	AgNi
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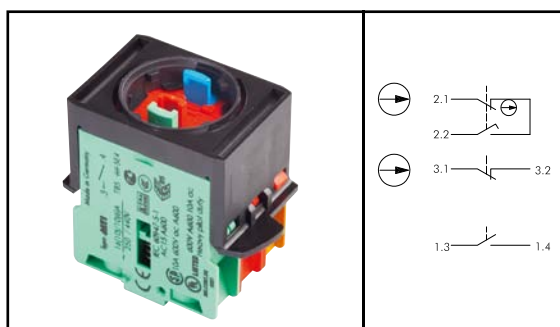
Modular contact blocks

with self-monitoring, one-piece 'emergency off' button contactor (model MTOSFE) 1 NC + 1 SV
Safety contact

The safety contact constantly monitors that the connection between the emergency off button and the contact element is in working order. If due to negligent fitting or mechanical damage the emergency off button becomes detached from the contact element, the safety contact cuts in immediately and the machine gets shut down.

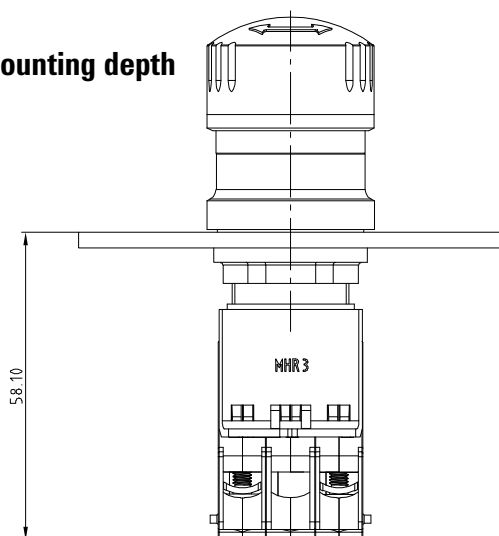


contact block	
Module holder incl. 1 MTO (1 NC) and 1 safety contact MTOSFE (1 NC + 1 SV)	
Type MHTOSFEO	Ref. No. 308 804
screw connection	2x2,5mm ² 2x2.5mm ²
contact material	AgNi



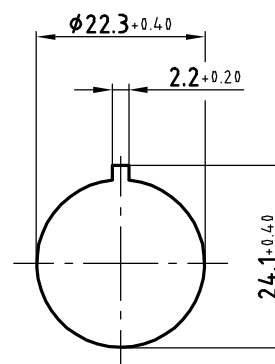
contact block	
Module holder incl. 1 MTO (1 NC), 1 MTI (1 NO) and 1 safety contact MTOSFE (1 NC + 1 SV)	
Type MHTOSFEOI	Ref. No. 308 805
screw connection	2x2,5mm ² 2x2.5mm ²
contact material	AgNi

mounting depth



Dimension assembly opening

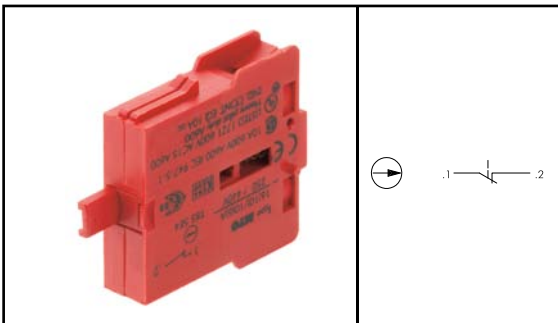
DIN EN 50007



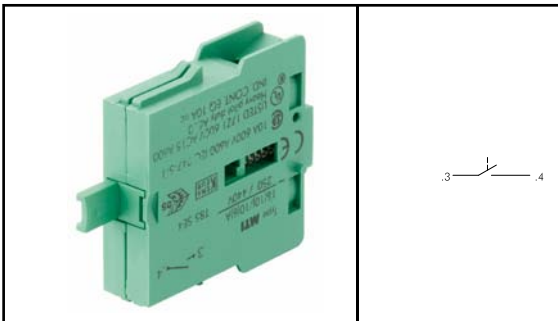
Modular contacts



Module holder for 3 elements	
with bayonet mount, to combine the modular contact with the activators	
Type MHR_3	Ref. No. 215 915



Modular contact momentary	
Type MTO (1 Ö) (1 NC)	Ref. No. 215 916
screw connection	2x2,5mm ² 2x2.5mm ²
contact material	AgNi



Modular contact momentary	
Type MTI (1 S) (1 NO)	Ref. No. 306 573
screw connection	2x2,5mm ² 2x2.5mm ²
contact material	AgNi