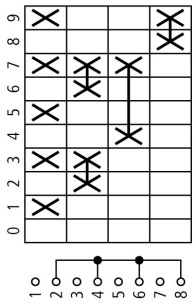
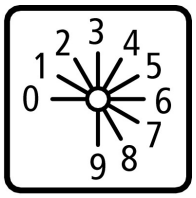
ON-OFF-SWITCHES E

Part no. **TM-2-8550/E**

Article no. **020300**

Front IP 65

Delivery programme

Design			Flush mounting
Contact sequence			
Front plate no.			 F 007
Pole			1
			BCD code 0-9, 30°
Protection type			Front IP65

General

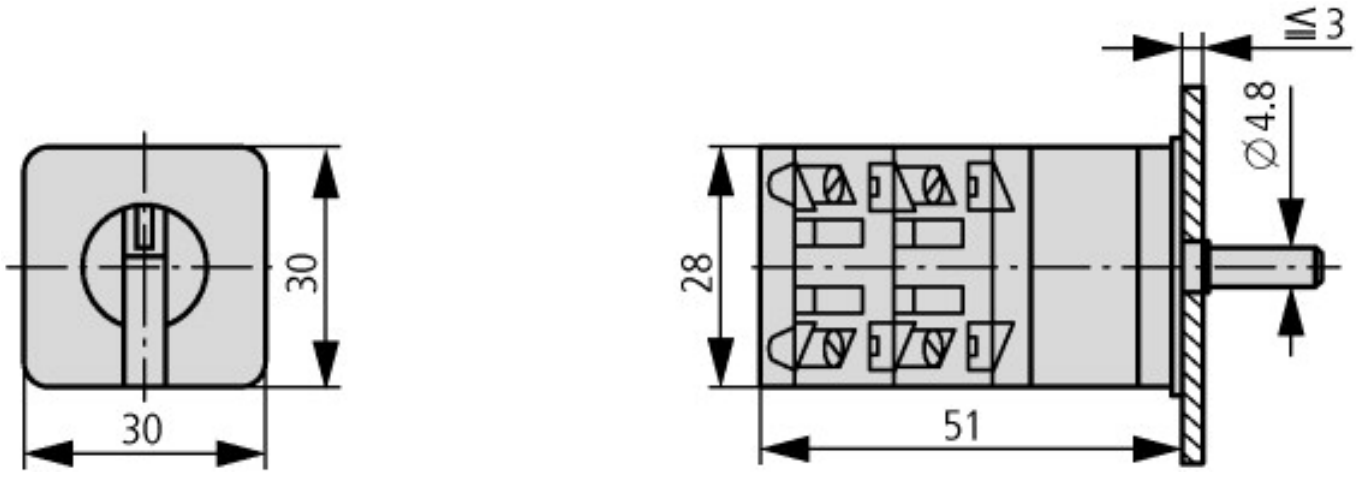
Standards			IEC/EN 60 947, VDE 0660 UL, CSA Control switches to IEC/EN 60 947-5-1 Control circuit isolator to IEC/EN 60947-5-1
Control circuit isolators (IEC/EN 60947-5-1)			Max.6 contacts; switching angle 90°
Lifespan, mechanical	Operations	× 10^6	> 0
Maximum operating frequency	Operations/h		3000
Climatic proofing			Damp heat, constant, to IEC 60068-2-78; Damp heat, cyclical, to IEC 60068-2-30
Ambient temperature		°C	
Open		°C	– 0 … 50
Enclosed		°C	- 0 … 40
Mounting position			As required
Terminal capacities		mm^2	
Solid		mm^2	1 × 1,5 2 × 1,5
Flexible without ferrule		mm^2	1 × 1,5 2 × 1,5
Solid or stranded		AWG	1 × 14 2 × 14
Flexible		AWG	1 × 16 1 × 16
Terminal screw			M2.5
Tightening torque		Nm	0.35

Contacts

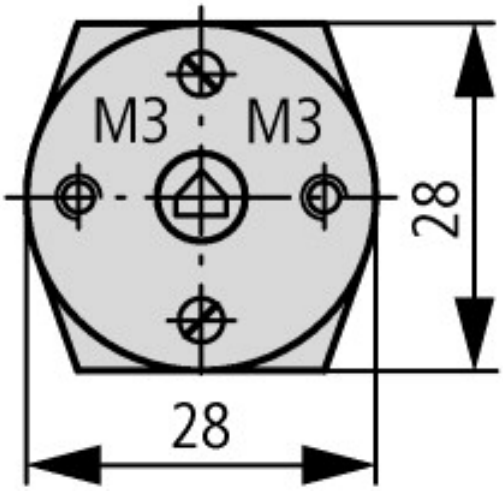
Mechanical variables			

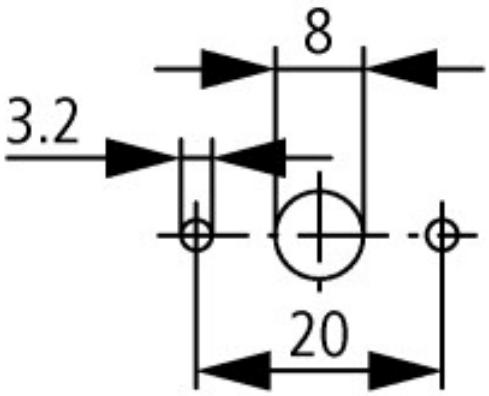
Contacts		Number	max. 16
Contact units			0
Switching angles		°	90 60 45 30
Min. switching angle for On-Off-On		°	60
Max. number of switch positions			≦ 0
Thickness of gold coating		µm	35
Electrical characteristics			
Rated operational voltage	U_e	V AC	500
Rated impulse withstand voltage	U_{imp}	V AC	4000
Overvoltage category/pollution degree			III/3
Rated insulation voltage	U_i	V AC	500
Rated insulation voltage for UL/CSA		V AC	300
Rated uninterrupted current	I_u	A	10
Switching capacity		kA	
AC-23 Motor load switches			
230 V AC, 3-pole		kW	1.8
440 V AC, 3-pole		kW	3
230 V AC, 1-pole		kW	0.75
440 V AC, 1-pole		kW	1.1
AC-15 Control switches			
230 V AC, 1-pole		A	2.5
400 V AC, 1-pole		A	1.5
440 V AC, 1-pole		A	1
DC-13, Control switches L/R = 50 ms			
Rated operational current	I_e	A	3
Voltage per contact pair in series		V	32
Switching capacity (UL489, CSA 22.2 No. 5.1)			
240 V AC, 3-pole		HP	1
277 V AC, 1-pole		HP	¾
300 V AC Heavy duty		A	10
Max. short-circuit protective device			
Fuse		A gG/gL	10
Control circuit reliability at 24 V DC, 10 mA	Fault probability	H_F	< 10<superscript>-5</superscript>, < 1 failure in 100000 operations

Dimensions

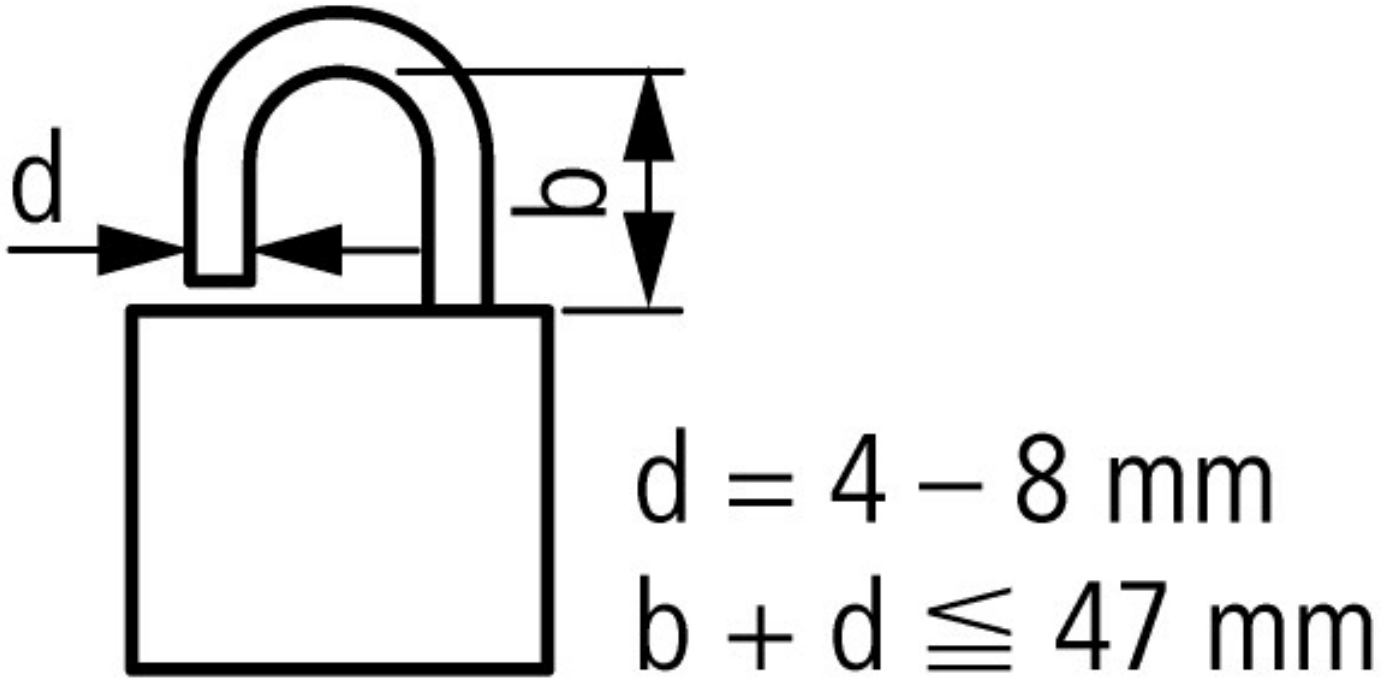


Depth of one contact unit: 12 mm





Diameter of drilled hole Door



Additional product information (links)