



## I(G) ON-OFF switch

**Part no.**

**T0-2-15907/11**

**Article no.**

**207095**



Front IP 65

### Delivery programme

Design			Surface mounting
Contact sequence			
Front plate no.			<p><b>FS 1413890</b></p>
Pole			1
Spring-return			With spring-return from START

### General

Standards			IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL Switch-disconnectors to IEC/EN 60947-3 Load-break switches to IEC/EN 60947-3
Lifespan, mechanical	Operations	$\times 10^6$	1
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	- 25 ... 50
Enclosed		°C	- 25 ... 40
Mounting position			As required
Mechanical shock resistance to IEC 60068-2-27	Half-sinusoidal shock 20 ms	g	> 15

### Contacts

Rated operational voltage	$U_e$	V AC	690
Rated impulse withstand voltage	$U_{imp}$	V AC	6000
Overvoltage category/pollution degree			III/3
Rated uninterrupted current	$I_u$	A	
open	$I_u$	A	20
Enclosed	$I_u$	A	20
Load rating with intermittent operation, class 2			
AB 25 % DF		$\times I_e$	2
AB 40 % DF		$\times I_e$	1.6
AB 60 % DF		$\times I_e$	1.3
Short-circuit rating			
Fuse		A gG/gL	20
Rated short-time withstand current (1 s current)	$I_{cw}$	$A_{rms}$	320
Safe isolation to VDE 0106 Part 101 and Part 101/A1			
between the contacts		V AC	440
Switching angles		°	90 60 45

			30
Contact units			11
Double-break contacts			max. 22
Current heat loss per contact at $I_e$		W	0.6

### Terminal capacities

Solid or stranded		mm <sup>2</sup>	1 × (1 – 2.5) 2 × (1 – 2.5)
Flexible with ferrule to DIN 46228		mm <sup>2</sup>	1 × (0.75 – 1.5) 2 × (0.75 – 1.5)
Terminal screw			M3.5
Tightening torque		Nm	1

### Switching capacity

AC		× $U_s$	
Rated making capacity $\cos \varphi = 0.35$		A	130
Rated breaking capacity, motor load switch $\cos \varphi = 0.35$		A	
230 V		A	100
400 V		A	110
500 V		A	80
690 V		A	60
Rated operational current 440 V load-break switch AC-21A	$I_e$	A	20
AC-23A Motor load switches (main switches maintenance switches)	P	kW	
230 V	P	kW	3.5
400 V	P	kW	6.5
500 V	P	kW	13
Rated operational current control switch AC-15			
230 V	$I_e$	A	6
400 V	$I_e$	A	4
500 V	$I_e$	A	2
DC		× $U_s$	
DC-1, Load-break switches L/R = 1 ms			
Rated operational current	$I_e$	A	10
Voltage per contact pair in series		V	60
DC-21A	$I_e$	A	
Rated operational current 240 V	$I_e$	A	1
240 V Contacts		Quantity	1
DC-23A, motor load switch L/R = 15 ms			
24 V			
Rated operational current	$I_e$	A	10
Contacts		Quantity	1
48 V			
Rated operational current	$I_e$	A	10
Contacts		Quantity	2
60 V			
Rated operational current	$I_e$	A	10
Contacts		Quantity	3
120 V			
Rated operational current	$I_e$	A	5
Contacts		Quantity	3
240 V			
Rated operational current	$I_e$	A	5
Contacts		Quantity	5
DC-13, Control switches L/R = 50 ms			
Rated operational current	$I_e$	A	10
Voltage per contact pair in series		V	32
Control circuit reliability at 24 V DC, 10 mA	Fault probability	H <sub>F</sub>	< 10 <sup>-5</sup> , < 1 fault in 100000 operations

## Notes

**Notes** For mechanical shock resistance: T3.../I... >12g

Applies to T0(3).../SVB: isolating characteristics to IEC/EN 60947 U<sub>for</sub> for rated operational voltage up to 500 V AC

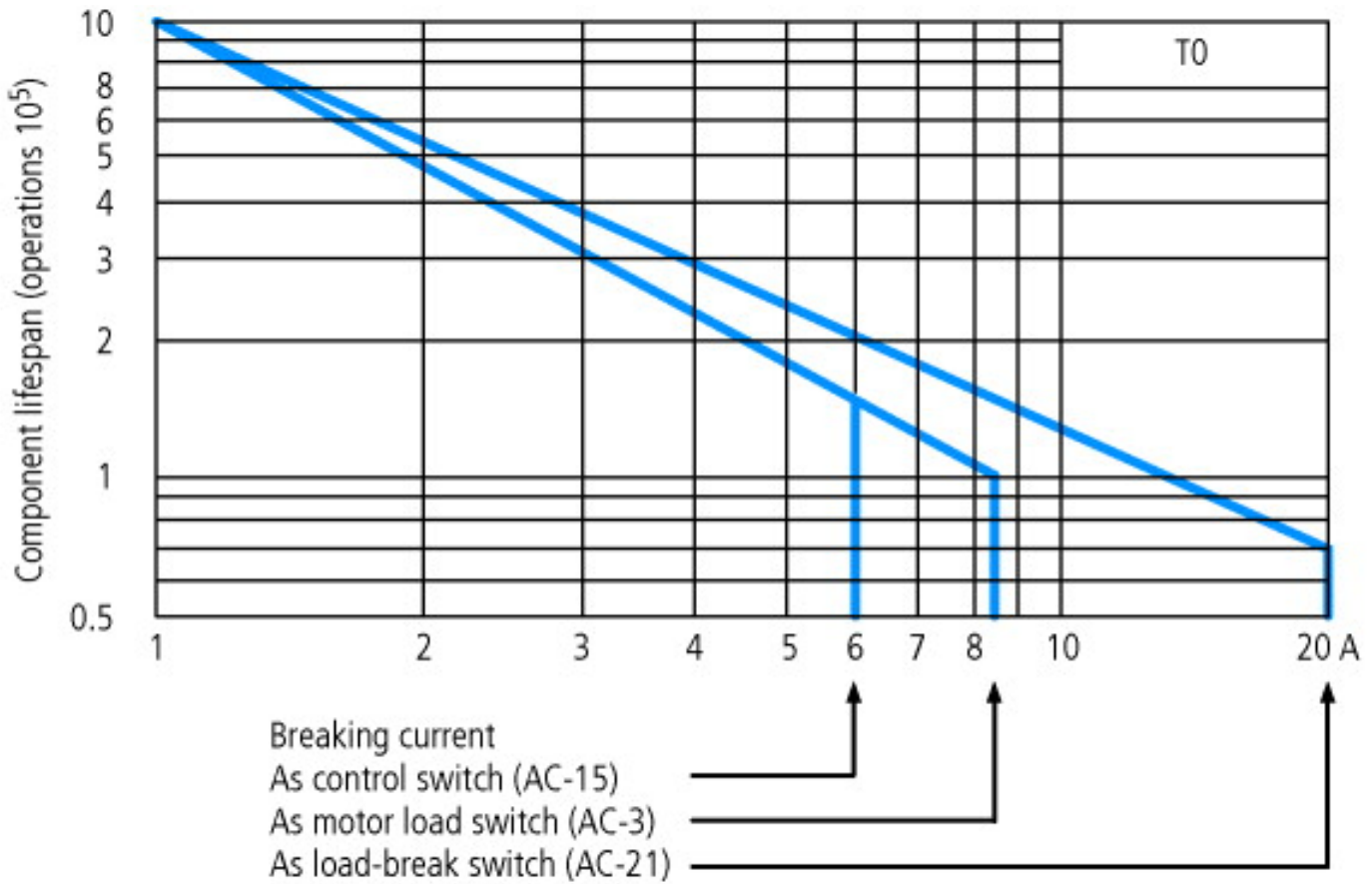
Applies to rated uninterrupted current I<sub>u</sub> of the contact: with T5-4-8344/I5 max. 95 A

For terminal capacity solid, stranded and flexible:

T0(3), (6), (8)...: Maximum of 2 cross-section sizes difference admissible between 2 conductors

T5(B)-...: Maximum of 1 cross-section size difference admissible between 2 conductors

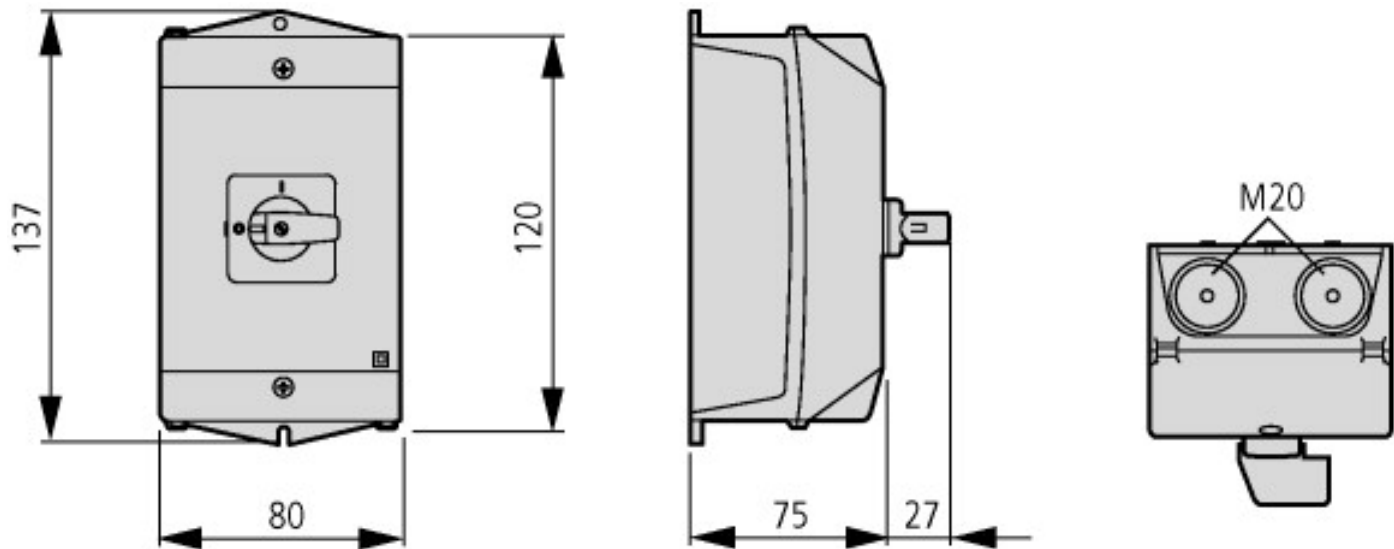
For type T8-3-8342/... the following applies: switching angle = 90° and flat connection = 1 busbar 25 × 5 or 2 busbars 20 × 3



For utilisation category AC-4 (extreme load: 100 % inching, reversing or plugging)

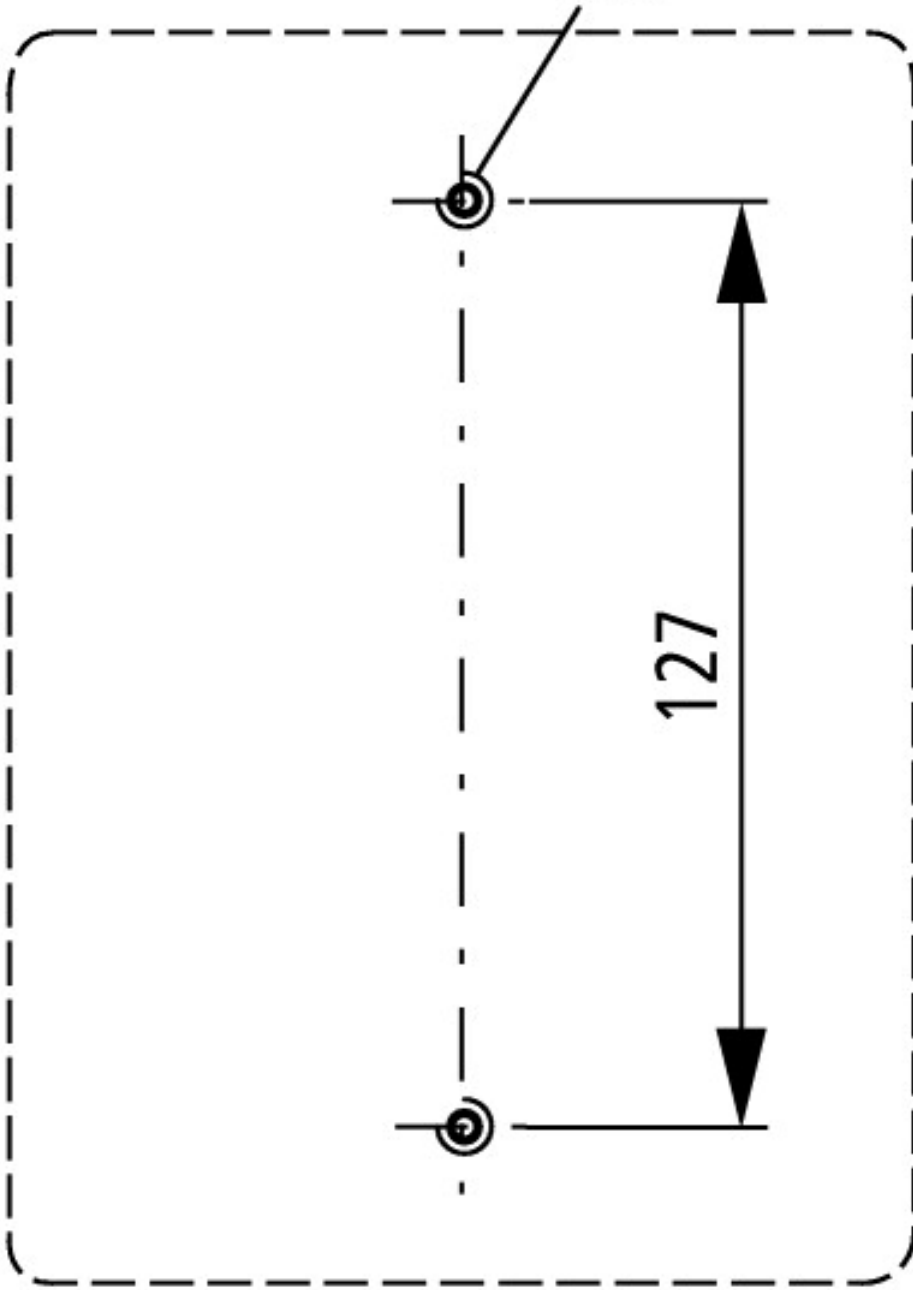
The blocked rotor current of the motor should not exceed the rated current of the switch for AC-21A to ensure a reasonable device lifespan.

## Dimensions

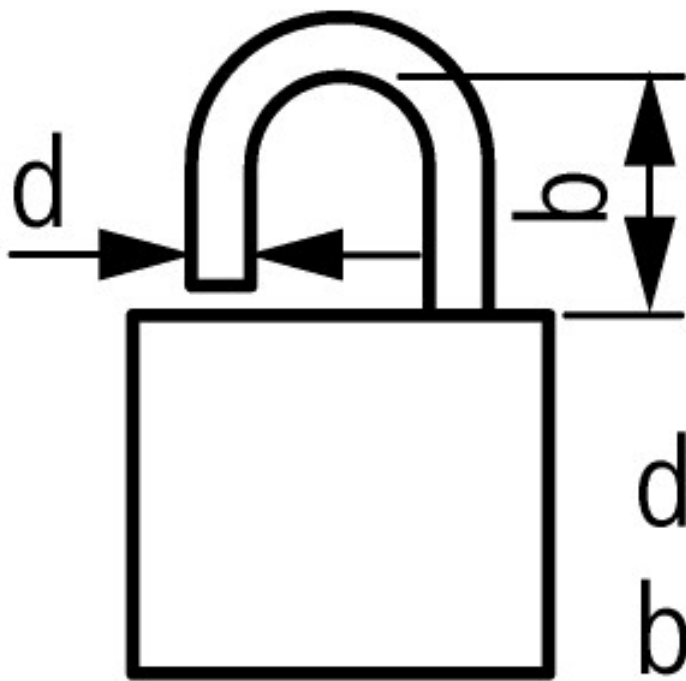


Depth of a contact unit: 9.5 mm

M4



Diameter of drilled hole Bottom



$$d = 4 - 8 \text{ mm}$$

$$b + d \leq 47 \text{ mm}$$

#### Additional product information (links)

##### Installation instructions

AWA1150-1687 Rotary switch

[ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/16870605.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/16870605.pdf)