

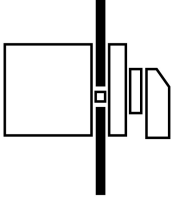
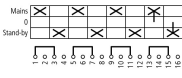

## Main/Emergency Current selector switch Flush mounting

# EATON

Powering Business Worldwide™

**Part no.** T5-4-8902/E  
**Article no.** 207418

### Program

Range			Load current switches
Basic function			Changeoverswitches
Part group reference (e.g. DIL)			T5
Design			Flush mounting
			
Protection type			Front IP65
Emergency stop			without emergency switching off/emergency stop function
			With 0 (Off) position with black thumb grip and front plate
Contact sequence			
Front plate no.			 FS 161629
Main conducting paths			
No. of poles		M	4
Max. motor rating			
AC-23A			
400/415 V 50-60 Hz	P	kW	30
Rated uninterrupted current	I <sub>u</sub>	A	100

### Approbationen

UL approval  
CSA approval  
Product Standards  
UL File No.  
UL CCN  
CSA File No.  
CSA Class No.  
NA Certification  
Suitable for

No  
No  
UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking  
E36332  
NLRV7  
12528  
3211-05  
UL listed, CSA certified  
Branch Circuits

### General

Standards			IEC/EN 60947, IEC/EN 60204, CSA, UL Switch-disconnector to IEC/EN 60947-3
Lifespan, mechanical	Operations	x 10 <sup>6</sup>	0.5
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
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## 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	100
Enclosed	$I_u$	A	100
Load rating with intermittent operation, class 12			
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	100
Rated short-time withstand current (1 s current)	$I_{cw}$	$A_{rms}$	1850
Safe isolation to VDE 0106 Part 101 and Part 101/A1			
between the contacts		V AC	440
Switching angles		°	90
Contact units			2
Double-break contacts			max. 20
Current heat loss per contact at $I_e$		W	7.5

## Terminal capacities

Solid or stranded		mm <sup>2</sup>	1 x (2,5 - 35) 2 x (2,5 - 16)
Flexible with ferrule to DIN 46228		mm <sup>2</sup>	1 x (1,5 - 25) 2 x (1,5 - 10)
Terminal screw			M6
Tightening torque		Nm	4

## Switching capacity

AC		$\times U_s$	
Rated making capacity $\cos \varphi = 0.35$		A	950
Rated breaking capacity, motor load switch $\cos \varphi = 0.35$		A	
230 V		A	760
400 V		A	740
500 V		A	590
690 V		A	420
Rated operational current 440 V load-break switch AC-21A	$I_e$	A	100
Rating, AC-3 motor load switch	P	kW	
220/230 V	P	kW	18.5
230 V Star-delta	P	kW	30
400 V	P	kW	30
400 V Star-delta	P	kW	45
500 V	P	kW	37
500 V Star-delta	P	kW	55
690 V	P	kW	22
690 V Star-delta	P	kW	45
AC-23A Motor load switches (main switches maintenance switches)	P	kW	
230 V	P	kW	18.5
400 V	P	kW	30
500 V	P	kW	37
690 V	P	kW	30

Rated operational current control switch AC-15			
230 V	$I_e$	A	16
400 V	$I_e$	A	6
500 V	$I_e$	A	4
DC		$x U_s$	
DC-1, Load-break switches L/R = 1 ms			
Rated operational current	$I_e$	A	80
Voltage per contact pair in series		V	60
Control circuit reliability at 24 V DC, 10 mA	Fault probability	$H_F$	$< 10^{-5}$ , $< 1$ fault in 100000 operations

### Notes

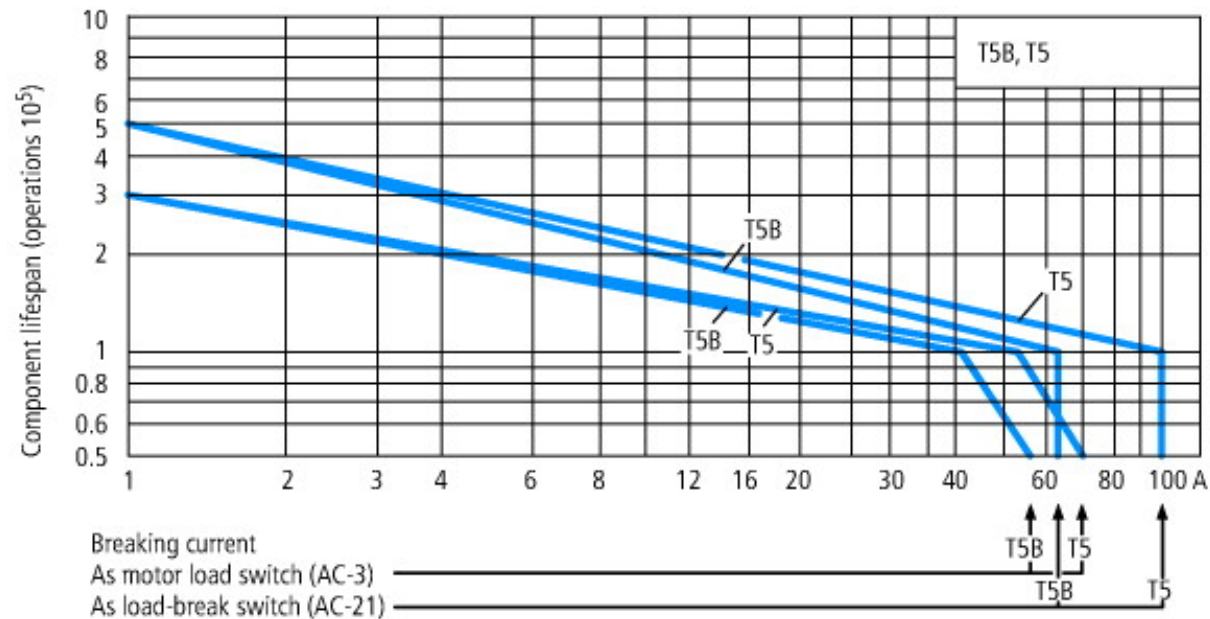
**Notes** The following applies for solid, multiwire, and flexible terminal capacities:  
 If 2 conductors are being used, a max. difference of one cross-section category is permissible  
 The following applies for part no. T8-3-8342/...: switching angle = 90° and flat terminal = 1 rail, 25 x 5, or 2 rails, 20 x 3

### Technical data according to ETIM 4.0

With 0 (off) position			YES
Type			On/Off switch
Motor rating at AC-3, 400 V		kWh	30
Suitable for front mounting			YES
Protection type (IP), at front			IP65
Rated uninterrupted current $I_u$		A	100
Suitable for base fixing			No
Number of auxiliary contacts as changeover contacts			0
Suitable for distribution board installation			No
Suitable for rear mounting			No
Complete device in housing			No
Type of control element			Toggle
Number of poles			4
Connection type main circuit			Screw connection

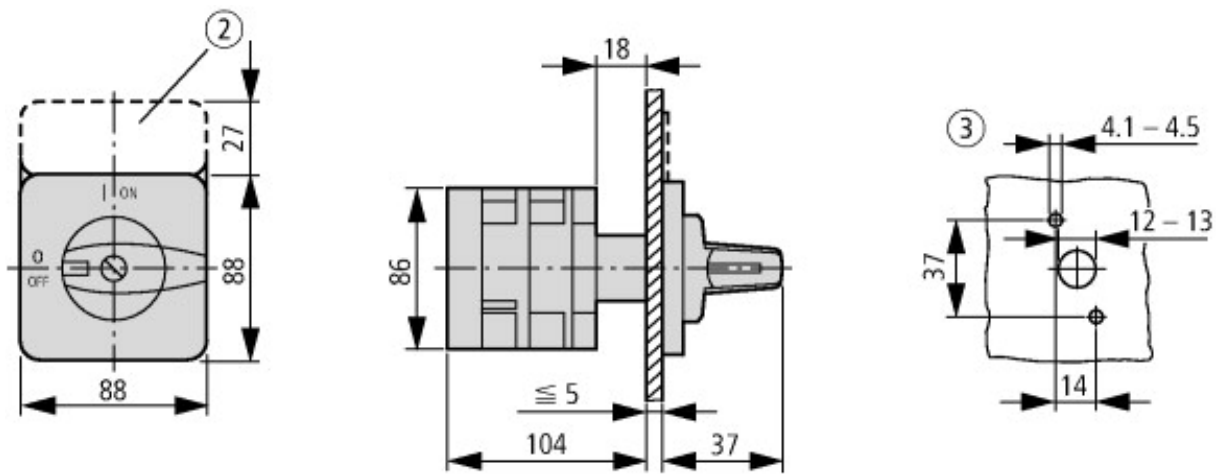
### Characteristics

Form for ordering non-standard front plates



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



② Label mount not included as standard

③ Drilling dimensions door

One contact unit depth: 16.5 mm

Cam switches T5B and T5 are same size, only their contacts are different

### Additional product information (links)

AWA1150-1692 (IL03801009Z) Cam switch T5

[ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/16920808.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/16920808.pdf)

#### Engineering

Technical overview

[ftp://ftp.moeller.net/DOCUMENTATION/PDF/GB/Ovt\\_t\\_p\\_Leistung\\_G.pdf](ftp://ftp.moeller.net/DOCUMENTATION/PDF/GB/Ovt_t_p_Leistung_G.pdf)

Key to part numbers, modular system

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Ordering of non-standard switches

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