



**Reversing switch, 3p, I<sub>e</sub>=25A, 45°, momentary, replacement switch, base fixing**



Powering Business Worldwide™

**Part no.** T3-3-8228/XZ  
**Article no.** 019426

**Delivery program**

Product range			Control switches
Part group reference			T3
Basic function			Reversing switches
Contacts			5
Design			rear mounting Basic switch
Contact sequence			
Switching angle		°	45
Front plate no.			<p><b>FS 4011</b></p>
<b>Motor rating AC-23A, 50 - 60 Hz</b>			
400 V	P	kW	15
Rated uninterrupted current	I <sub>u</sub>	A	32
Number of contact units		contact unit(s)	3

**Technical data**

**General**

Standards			IEC/EN 60947, VDE 0660, IEC/EN 60204 Switch-disconnector according to IEC/EN 60947-3
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature			
Open		°C	-25 - +50
Enclosed		°C	-25 - +40
Oversvoltage category/pollution degree			III/3
Rated impulse withstand voltage	U <sub>imp</sub>	V AC	6000
Mechanical shock resistance		g	15
Mounting position			As required
Protection against direct contact when actuated from front (EN 50274)			Finger and back-of-hand proof

**Contacts**

Electrical characteristics			
Rated operational voltage	U <sub>e</sub>	V AC	690
Rated uninterrupted current	I <sub>u</sub>	A	32
Note on rated uninterrupted current I <sub>u</sub>			Rated uninterrupted current I <sub>u</sub> is specified for max. cross-section.
Load rating with intermittent operation, class 12			
AB 25 % DF		x I <sub>e</sub>	2
AB 40 % DF		x I <sub>e</sub>	1.6
AB 60 % DF		x I <sub>e</sub>	1.3
Short-circuit rating			

Fuse		A gG/gL	35
Rated short-time withstand current (1 s current)	$I_{cw}$	$A_{rms}$	650
Note on rated short-time withstand current $I_{cw}$			Current for a time of 1 second
Rated conditional short-circuit current	$I_q$	kA	1
<b>Switching capacity</b>			
cos $\varphi$ rated making capacity as per IEC 60947-3		A	320
Rated breaking capacity cos $\varphi$ to IEC 60947-3		A	
230 V		A	260
400/415 V		A	260
500 V		A	240
690 V		A	170
Safe isolation to EN 61140			
between the contacts		V AC	440
Current heat loss per contact at $I_b$		W	1.1
Current heat loss per auxiliary circuit at $I_b$ (AC-15/230 V)		CO	1.1
Lifespan, mechanical	Operations	$\times 10^6$	> 0.5
Maximum operating frequency	Operations/h		1200
<b>AC</b>			
<b>AC-3</b>			
Rating, motor load switch	P	kW	
220 V 230 V	P	kW	5.5
230 V Star-delta	P	kW	7.5
400 V 415 V	P	kW	11
400 V Star-delta	P	kW	15
500 V	P	kW	15
500 V Star-delta	P	kW	18.5
690 V	P	kW	11
690 V Star-delta	P	kW	22
Rated operational current motor load switch			
230 V	$I_e$	A	23.7
230 V star-delta	$I_e$	A	32
400V 415 V	$I_e$	A	23.7
400 V star-delta	$I_e$	A	32
500 V	$I_e$	A	23.7
500 V star-delta	$I_e$	A	32
690 V	$I_e$	A	14.7
690 V star-delta	$I_e$	A	25.5
<b>AC-21A</b>			
Rated operational current switch			
440 V	$I_e$	A	32
<b>AC-23A</b>			
Motor rating AC-23A, 50 - 60 Hz	P	kW	
230 V	P	kW	7.5
400 V 415 V	P	kW	15
500 V	P	kW	15
690 V	P	kW	15
Rated operational current motor load switch			
230 V	$I_e$	A	32
400 V 415 V	$I_e$	A	32
500 V	$I_e$	A	26.4
690 V	$I_e$	A	17
<b>DC</b>			
DC-1, Load-break switches L/R = 1 ms			
Rated operational current	$I_e$	A	25

Voltage per contact pair in series		V	60
DC-21A	$I_e$	A	
Rated operational current	$I_e$	A	1
Contacts		Quantity	1
DC-23A, motor load switch L/R = 15 ms			
24 V			
Rated operational current	$I_e$	A	25
Contacts		Quantity	1
48 V			
Rated operational current	$I_e$	A	25
Contacts		Quantity	2
60 V			
Rated operational current	$I_e$	A	25
Contacts		Quantity	3
120 V			
Rated operational current	$I_e$	A	12
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	20
Voltage per contact pair in series		V	24
Control circuit reliability at 24 V DC, 10 mA	Fault probability	$H_F$	$< 10^{-5}$ , < 1 fault in 100000 operations

### Terminal capacities

Solid or stranded		mm <sup>2</sup>	1 x (1 - 6) 2 x (1 - 6)
Flexible with ferrules to DIN 46228		mm <sup>2</sup>	1 x (0.75 - 4) 2 x (0.75 - 4)
Terminal screw			M4
Max. tightening torque		Nm	1.6

### Technical safety parameters:

<b>Notes</b>			B10 <sub>d</sub> values as per EN ISO 13849-1, table C1
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### Rating data for approved types

Terminal capacity			
Terminal screw			M4

## Technical data ETIM 6.0

Low-voltage industrial components (EG000017) / Off-load switch (EC001105)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Changeover switch (ecl@ss8.1-27-37-14-05 [AKF062010])			
Model			Reversing switch
Number of poles			3
With 0 (off) position			Yes
With retraction in 0-position			No
Rated permanent current $I_u$		A	32
Rated operation current $I_e$ at AC-3, 400 V		A	23.7
Rated operation power at AC-3, 400 V		kW	12
Degree of protection (IP), front side			-
Number of auxiliary contacts as normally closed contact			0
Number of auxiliary contacts as normally open contact			0
Number of auxiliary contacts as change-over contact			0
Suitable for ground mounting			Yes
Suitable for front mounting 4-hole			No
Suitable for distribution board installation			No
Suitable for intermediate mounting			Yes

Complete device in housing		No
Type of control element		-
Type of electrical connection of main circuit		Screw connection

## Additional product information (links)

### IL03801006Z (AWA1150-1686) Cam switches: service distribution board

IL03801006Z (AWA1150-1686) Cam switches: service distribution board [ftp://ftp.moeller.net/DOCUMENTATION/AWA\\_INSTRUCTIONS/IL03801006Z2016\\_09.pdf](ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03801006Z2016_09.pdf)

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