

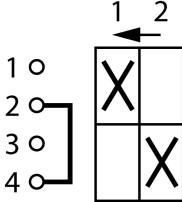
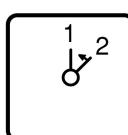


## Changeover switch, 1p, Ie=12A, 45°, momentary, replacement switch, base fixing

**EATON®**  
Powering Business Worldwide™

Part no. **T0-1-8295/XZ**  
Article no. **009760**

### Delivery program

Product range		Control switches
Part group reference		T0
Contacts		2
Design		rear mounting Basic switch
Contact sequence		
Switching angle	°	45
Front plate no.		 <b>FS 496</b>

### Motor rating AC-23A, 50 - 60 Hz

400 V	P	kW	5.5
Rated uninterrupted current	I <sub>u</sub>	A	20
Number of contact units		contact unit(s)	1

### 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	
Overtoltage 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	20
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		x I <sub>e</sub>	2
AB 25 % DF		x I <sub>e</sub>	1.6
AB 40 % DF		x I <sub>e</sub>	1.3
AB 60 % DF		A gG/gL	20
Short-circuit rating			
Fuse			

Rated short-time withstand current (1 s current)	$I_{cw}$	$A_{rms}$	320
Note on rated short-time withstand current $I_{cw}$			Current for a time of 1 second
Rated conditional short-circuit current	$I_q$	kA	6
<b>Switching capacity</b>			
cos $\varphi$ rated making capacity as per IEC 60947-3		A	130
Rated breaking capacity cos $\varphi$ to IEC 60947-3		A	
230 V		A	100
400/415 V		A	110
500 V		A	80
690 V		A	60
Safe isolation to EN 61140			
between the contacts		V AC	440
Current heat loss per contact at $I_e$		W	0.6
Current heat loss per auxiliary circuit at $I_e$ (AC-15/230 V)		CO	0.6
Lifespan, mechanical	Operations	$\times 10^6$	> 0.4
Maximum operating frequency	Operations/h		1200
AC			
AC-3			
Rating, motor load switch	P	kW	
220 V 230 V	P	kW	3
230 V Star-delta	P	kW	5.5
400 V 415 V	P	kW	5.5
400 V Star-delta	P	kW	7.5
500 V	P	kW	5.5
500 V Star-delta	P	kW	7.5
690 V	P	kW	4
690 V Star-delta	P	kW	5.5
Rated operational current motor load switch			
230 V	$I_e$	A	11.5
230 V star-delta	$I_e$	A	20
400V 415 V	$I_e$	A	11.5
400 V star-delta	$I_e$	A	20
500 V	$I_e$	A	9
500 V star-delta	$I_e$	A	15.6
690 V	$I_e$	A	4.9
690 V star-delta	$I_e$	A	8.5
AC-21A			
Rated operational current switch			
440 V	$I_e$	A	20
AC-23A			
Motor rating AC-23A, 50 - 60 Hz	P	kW	
230 V	P	kW	3
400 V 415 V	P	kW	5.5
500 V	P	kW	7.5
690 V	P	kW	5.5
Rated operational current motor load switch			
230 V	$I_e$	A	13.3
400 V 415 V	$I_e$	A	13.3
500 V	$I_e$	A	13.3
690 V	$I_e$	A	7.6
DC			
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 <sub>e</sub>	A	
Rated operational current	I <sub>e</sub>	A	1
Contacts		Quantity	1
DC-23A, motor load switch L/R = 15 ms			
24 V			
Rated operational current	I <sub>e</sub>	A	10
Contacts		Quantity	1
48 V			
Rated operational current	I <sub>e</sub>	A	10
Contacts		Quantity	2
60 V			
Rated operational current	I <sub>e</sub>	A	10
Contacts		Quantity	3
120 V			
Rated operational current	I <sub>e</sub>	A	5
Contacts		Quantity	3
240 V			
Rated operational current	I <sub>e</sub>	A	5
Contacts		Quantity	5
DC-13, Control switches L/R = 50 ms			
Rated operational current	I <sub>e</sub>	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

### Terminal capacities

Solid or stranded	mm <sup>2</sup>	1 x (1 - 2,5) 2 x (1 - 2,5)
Flexible with ferrules to DIN 46228	mm <sup>2</sup>	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)
Terminal screw		M3.5
Max. tightening torque	Nm	1

### Technical safety parameters:

Notes	B10 <sub>d</sub> values as per EN ISO 13849-1, table C1
<b>Rating data for approved types</b>	
Terminal capacity	
Terminal screw	M3.5

## Technical data ETIM 6.0

Low-voltage industrial components (EG000017) / Control switch (EC002611)		
Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Control switch (ecl@ss8.1-27-37-14-14 [ACN998008])		
Type of switch	Reverser	
Number of poles	1	
Max. rated operation voltage Ue AC	V	690
Rated permanent current I <sub>u</sub>	A	20
Number of switch positions		2
With 0 (off) position		No
With retraction in 0-position		No
Device construction		Built-in device
Width in number of modular spacings		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		-
Front shield size		48x48 mm

## Additional product information (links)

Display flip catalog page.

<http://ecat.moeller.net/flip-cat/?edition=K115A&startpage=102>