



Control switch, 1p, Ie=12A, 60°, maintained, replacement switch, base fixing

Part no. T0-2-15503/XZ
Article no. 011445

Delivery program

Product range	Control switches																										
Part group reference	T0																										
Contacts	4																										
Design	rear mounting Basic switch																										
Contact sequence	<table border="1" style="margin-left: auto; margin-right: auto;"> <tr><td>1</td><td>o</td><td>Auto</td></tr> <tr><td>2</td><td>o</td><td>Auf</td></tr> <tr><td>3</td><td>o</td><td>Aus</td></tr> <tr><td>4</td><td>o</td><td>Zu</td></tr> <tr><td>5</td><td>o</td><td></td></tr> <tr><td>6</td><td>o</td><td></td></tr> <tr><td>7</td><td>o</td><td></td></tr> <tr><td>8</td><td>o</td><td></td></tr> </table>			1	o	Auto	2	o	Auf	3	o	Aus	4	o	Zu	5	o		6	o		7	o		8	o	
1	o	Auto																									
2	o	Auf																									
3	o	Aus																									
4	o	Zu																									
5	o																										
6	o																										
7	o																										
8	o																										
Switching angle	° 60																										
Front plate no.	 FS 161304																										
front plate	Auto-Auf-Aus-Zu																										
Motor rating AC-23A, 50 - 60 Hz																											
400 V	P	kW	5.5																								
Rated uninterrupted current	I _u	A	20																								
Number of contact units	contact unit(s)		2																								

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
Oversupply category/pollution degree	III/3		
Rated impulse withstand voltage	U _{imp}	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 _e	V AC	690
Rated uninterrupted current	I _u	A	20
Note on rated uninterrupted current I _u	Rated uninterrupted current I _u is specified for max. cross-section.		
Load rating with intermittent operation, class 12			
AB 25 % DF	x I _e	2	
AB 40 % DF	x 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
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
Switching capacity			
$\cos \phi$ rated making capacity as per IEC 60947-3		A	130
Rated breaking capacity $\cos \phi$ 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 _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	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 _F	< 10 ⁻⁵ , < 1 fault in 100000 operations

Terminal capacities

Solid or stranded		mm ²	1 x (1 - 2,5) 2 x (1 - 2,5)
Flexible with ferrules to DIN 46228		mm ²	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 _d values as per EN ISO 13849-1, table C1
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Rating data for approved types

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	-
Number of poles	1
Max. rated operation voltage Ue AC	V 690
Rated permanent current I _u	A 20
Number of switch positions	4
With 0 (off) position	No
With retraction in 0-position	No
Device construction	Built-in device
Width in number of modular spacings	1
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		-
Degree of protection (IP), front side		IP00

Additional product information (links)

Display flip catalog page.

<http://ecat.moeller.net/flip-cat/?edition=K115A&startpage=110>