

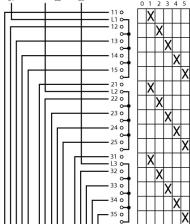
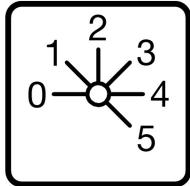


## Step switch, 3p, Ie=12A, 0-5, 45°, maintained, replacement switch, base fixing

**EATON®**  
Powering Business Worldwide™

Part no. T0-8-15146/XZ  
Article no. 016092

### Delivery program

Product range	Control switches														
Part group reference	T0														
Contacts	15														
Design	rear mounting Basic switch														
Contact sequence															
Switching angle	° 45														
Front plate no.	 <b>FS 424</b>														
<b>Motor rating AC-23A, 50 - 60 Hz</b>	<table border="1"> <tr> <td>400 V</td> <td>P</td> <td>kW</td> <td>5.5</td> </tr> <tr> <td>Rated uninterrupted current</td> <td>I<sub>u</sub></td> <td>A</td> <td>20</td> </tr> <tr> <td>Number of contact units</td> <td></td> <td>contact unit(s)</td> <td>8</td> </tr> </table>			400 V	P	kW	5.5	Rated uninterrupted current	I <sub>u</sub>	A	20	Number of contact units		contact unit(s)	8
400 V	P	kW	5.5												
Rated uninterrupted current	I <sub>u</sub>	A	20												
Number of contact units		contact unit(s)	8												

### 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

Short-circuit rating			
Fuse		A gG/gL	20
Rated short-time withstand current (1 s current)	I <sub>CW</sub>	A <sub>rms</sub>	320
Note on rated short-time withstand current I <sub>CW</sub>		Current for a time of 1 second	
Rated conditional short-circuit current	I <sub>q</sub>	kA	6
<b>Switching capacity</b>			
cos φ rated making capacity as per IEC 60947-3		A	130
Rated breaking capacity cos φ 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		V AC	440
between the contacts		W	0.6
Current heat loss per contact at I <sub>e</sub>		CO	0.6
Current heat loss per auxiliary circuit at I <sub>e</sub> (AC-15/230 V)		Operations	x 10 <sup>6</sup>
Lifespan, mechanical			>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 <sub>e</sub>	A	11.5
230 V star-delta	I <sub>e</sub>	A	20
400V 415 V	I <sub>e</sub>	A	11.5
400 V star-delta	I <sub>e</sub>	A	20
500 V	I <sub>e</sub>	A	9
500 V star-delta	I <sub>e</sub>	A	15.6
690 V	I <sub>e</sub>	A	4.9
690 V star-delta	I <sub>e</sub>	A	8.5
AC-21A			
Rated operational current switch			
440 V	I <sub>e</sub>	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 <sub>e</sub>	A	13.3
400 V 415 V	I <sub>e</sub>	A	13.3
500 V	I <sub>e</sub>	A	13.3
690 V	I <sub>e</sub>	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 <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
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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		Level switch
Number of poles		3
Max. rated operation voltage Ue AC	V	690
Rated permanent current I <sub>u</sub>	A	20
Number of switch positions		6
With 0 (off) position		Yes
With retraction in 0-position		No
Device construction		Built-in device
Width in number of modular spacings		4
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=81>