



Group changeover switch, 3p, I_e=12A, FS 2-0-1, 45°,
maintained, 48x48 mm, center mounting



Powering Business Worldwide™

Part no. T0-3-15423/EZ
Article no. 036482

Catalog No. CT03-15423-CEKBQ



Delivery programme

Product range
Basic function
Part group reference

Main circuits
Poles



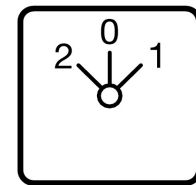
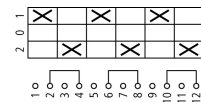
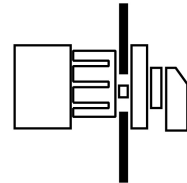
Protection type
Design

Control switches
Changeoverswitches
T0
with black thumb grip and front plate
3

Contact sequence

Front plate no.

Front IP65
centre mounting



FS 429

Bemessungsbetriebsleistung AC-23A,
50 - 60 Hz
400 V
Rated uninterrupted current

P
I_u

kW
A

6.5
20

Approvals

Product Standards
UL File No.
UL Category Control No.
CSA File No.
CSA Class No.
North America Certification
Specially designed for North America
Suitable for
Degree of Protection

UL 508; CSA-C22.2 No. 14-05; IEC/EN 60947-3; CE marking
E36332
NLRV
12528
3211-05
UL listed, CSA certified
Yes, in combination with "+NA" (105864)
Branch circuits
IEC: IP65; UL/CSA Type 3R, 12

General

Standards

Climatic proofing

Ambient temperature

Open

Enclosed

Overvoltage category/pollution degree

Rated impulse withstand voltage

Mechanical shock resistance

Mounting position

Protection against direct contact when actuated from front (EN 50274)

		IEC/EN 60947, VDE 0660, IEC/EN 60204, CSA, UL Switch-disconnector according to IEC/EN 60947-3
		Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
	°C	
	°C	-25 - +50
	°C	-25 - +40
		III/3
U _{imp}	V AC	6000
	g	15
		As required
		Finger and back-of-hand proof

Contacts

Mechanical variables

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Main circuits
Poles
Electrical characteristics

Rated operational voltage

Rated uninterrupted current

Note on rated uninterrupted current I_u

Load rating with intermittent operation, class 12

AB 25 % DF

AB 40 % DF

AB 60 % DF

Short-circuit rating

Fuse

Rated short-time withstand current (1 s current)

Note on rated short-time withstand current I_{cw}

Switching capacity

Bemessungsausschaltvermögen $\cos \varphi$ nach IEC 60947-3

230 V

400/415 V

500 V

690 V

Safe isolation to EN 61140

between the contacts

Current heat loss per contact at I_e

Lifespan, mechanical

Maximum operating frequency

AC

AC-3

Rating, motor load switch

220 V 230 V

230 V Star-delta

400 V 415 V

400 V Star-delta

500 V

500 V Star-delta

690 V

690 V Star-delta

Bemessungsbetriebsstrom Motorschalter

230 V

230 V star-delta

400V 415 V

400 V star-delta

500 V

500 V star-delta

690 V

690 V star-delta

AC-15

Rated operational current control switch

230 V

400 V 415 V

500 V

AC-21A

		3
U_e	V AC	690
I_u	A	20
		Rated uninterrupted current I_u is specified for max. cross-section.
	$\times I_e$	2
	$\times I_e$	1.6
	$\times I_e$	1.3
	A gG/ gL	20
I_{cw}	A_{rms}	320
		Current for a time of 1 second

	A	
	A	100
	A	110
	A	80
	A	60
	V AC	440
	W	0.6
Operations	$\times 10^6$	> 0.4
Operations/ h		1200
P	kW	
P	kW	3
P	kW	4
P	kW	4
P	kW	5.5
P	kW	5.5
P	kW	7.5
P	kW	4
P	kW	5.5
I_e	A	11.5
I_e	A	14.8
I_e	A	11.5
I_e	A	11.3
I_e	A	9
I_e	A	12.1
I_e	A	4.9
I_e	A	6.5
I_e	A	6
I_e	A	4
I_e	A	2

Bemessungsbetriebsstrom Lastschalter

440 V

AC-23A

Bemessungsbetriebsleistung AC-23A, 50 - 60 Hz

230 V

400 V 415 V

500 V

690 V

Bemessungsbetriebsstrom Motorschalter

230 V

I _e	A	20
P	kW	
P	kW	3.5
P	kW	6.5
P	kW	7.5
P	kW	6.5
I _e	A	13.3
I _e	A	10
	V	60
I _e	A	
I _e	A	1
	Quantity	1
I _e	A	10
	Quantity	1
I _e	A	10
	Quantity	2
I _e	A	10
	Quantity	3
I _e	A	5
	Quantity	3
I _e	A	5
	Quantity	5
I _e	A	10
	V	32
Fault probability	H _F	< 10 ⁻⁵ , < 1 fault in 100000 operations

DC

DC-1, Load-break switches L/R = 1 ms

Rated operational current

Voltage per contact pair in series

DC-21A

Rated operational current

Contacts

DC-23A, motor load switch L/R = 15 ms

24 V

Rated operational current

Contacts

48 V

Rated operational current

Contacts

60 V

Rated operational current

Contacts

120 V

Rated operational current

Contacts

240 V

Rated operational current

Contacts

DC-13, Control switches L/R = 50 ms

Rated operational current

Voltage per contact pair in series

Control circuit reliability at 24 V DC, 10 mA

Terminal capacities

Flexible with ferrules to DIN 46228

Flexible with ferrule

Terminal screw

Max. tightening torque

	mm ²	
	mm ²	1 x (0.75 - 1.5) 2 x (0.75 - 1.5)
		M3.5
	Nm	1

Technical data ETIM 5.0

Low-voltage industrial components (EG000017) / Off-load switch (EC001105)

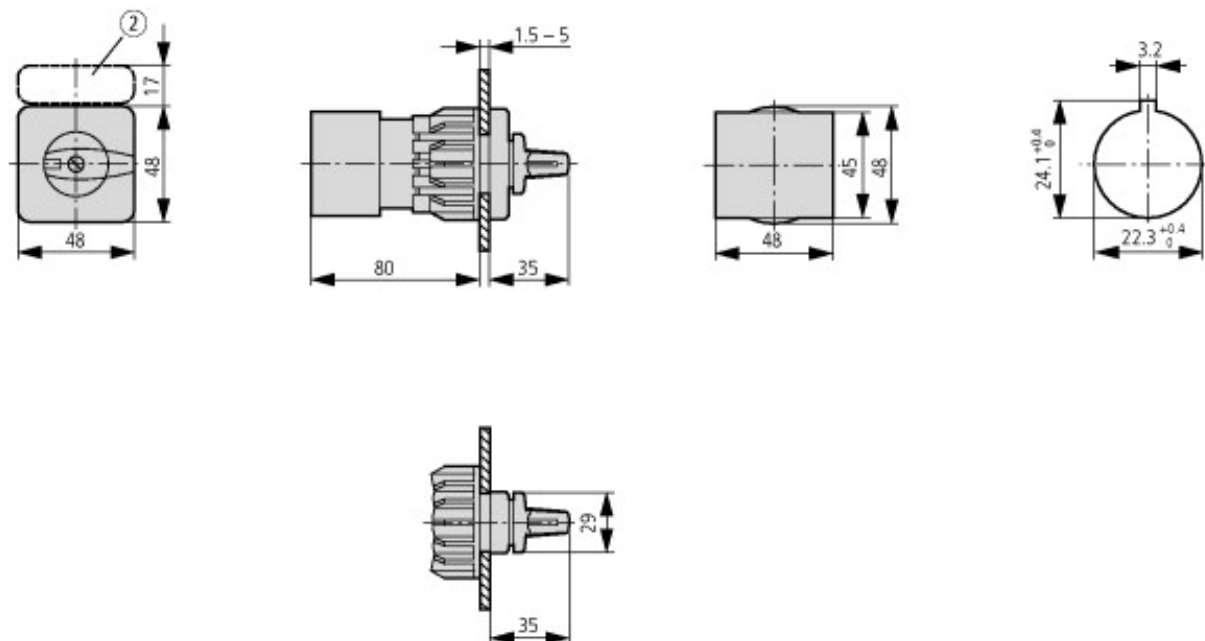
Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Changeover switch
(ecI@ss8-27-37-14-05 [AKF062009])

Model		Reverser
Number of poles		3
With 0 (off) position		Yes
Rated permanent current I _u	A	20
Rated operation power at AC-3, 400 V	kW	4
Degree of protection (IP), front side		IP55
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		No

Suitable for front mounting 4-hole
 Suitable for distribution board
 installation
 Suitable for intermediate mounting
 Complete device in housing
 Type of control element
 Connection type main current circuit

Yes
 No
 No
 No
 Toggle
 Screw connection

Dimensions



(2) ZFS-... Label mount not included as standard

Additional product information (links)

IL03801020Z (AWA1150-0586) Cam switch: Mounting

IL03801020Z (AWA1150-0586) Cam
 switch: Mounting

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL03801020Z2013_02.pdf

<http://ecat.moeller.net/flip-cat/?edition=HPLEN&startpage=4.87>

<http://ecat.moeller.net/flip-cat/?edition=K115A&startpage=108>

<http://de.ecat.moeller.net/flip-cat/?edition=HPLTEv1&startpage=4.2>

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