



On-Off switch, 3p, I_e=12A, FS 0-1, 90°, 48x48 mm, center mounting

Part no.
Article no.

T0-2-1/EZ
027012

Catalog No.

CT02-1-CEKBUE



Delivery programme

Product range
Basic function
Part group reference

Switch-disconnectors T, P
ON-OFF switches
T0
with black thumb grip and front plate
without auxiliary contacts
3

Main circuits
Poles



Auxiliary contacts



N/O

0

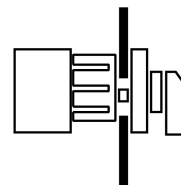


B

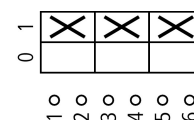
0

Locking facility
Protection type
Design

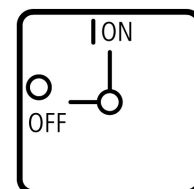
Not lockable
Front IP65
centre mounting



Contact sequence



Front plate no.



FS 908

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, suitable as motor disconnect
IEC: IP65; UL/CSA Type 3R, 12

General

Standards

Climatic proofing

Ambient temperature

Open

Enclosed

		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

Overvoltage category/pollution degree

Rated impulse withstand voltage

Mechanical shock resistance

Mounting position

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

Contacts

Mechanical variables

Main circuits
Poles
Auxiliary contacts

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

380 V 400 V

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

		III/3
U_{imp}	V AC	6000
	g	15
		As required
		Finger and back-of-hand proof

		3
	N/O	0
	B	0
U_e	V AC	690
I_u	A	20
		Rated uninterrupted current I_u is specified for max. cross-section.
	x I_e	2
	x I_e	1.6
	x 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	x 10^6	> 0.4
Operations/ h		1200
P	kW	
P	kW	3
P	kW	4
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

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
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
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

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
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

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) / Switch disconnecter (EC000216)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Off-load switch, circuit breaker, control switch / Switch disconnecter

(ecl@ss8-27-37-14-03 [AKF060009])

Version as switch disconnector
compact

No

Version as main switch

No

Version as maintenance-/service
switch

No

Version as safety switch

No

Version as emergency stop installation

No

Max. rated operation voltage Ue AC

V

690

Rated permanent current Iu

A

20

Rated operation power AC-3, 400 V

kW

4

Rated operation power at AC-23, 400 V

kW

6.5

Conditioned rated short-circuit current

kA

0

Iq

Number of poles

3

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

Motor drive optional

No

Motor drive integrated

No

Voltage release optional

No

Device construction

Built-in device fixed built-in technique

Suitable for ground mounting

No

Suitable for front mounting

No

Suitable for front mounting center

Yes

Suitable for distribution board
installation

No

Suitable for intermediate mounting

No

Type of control element

Toggle

Interlockable

No

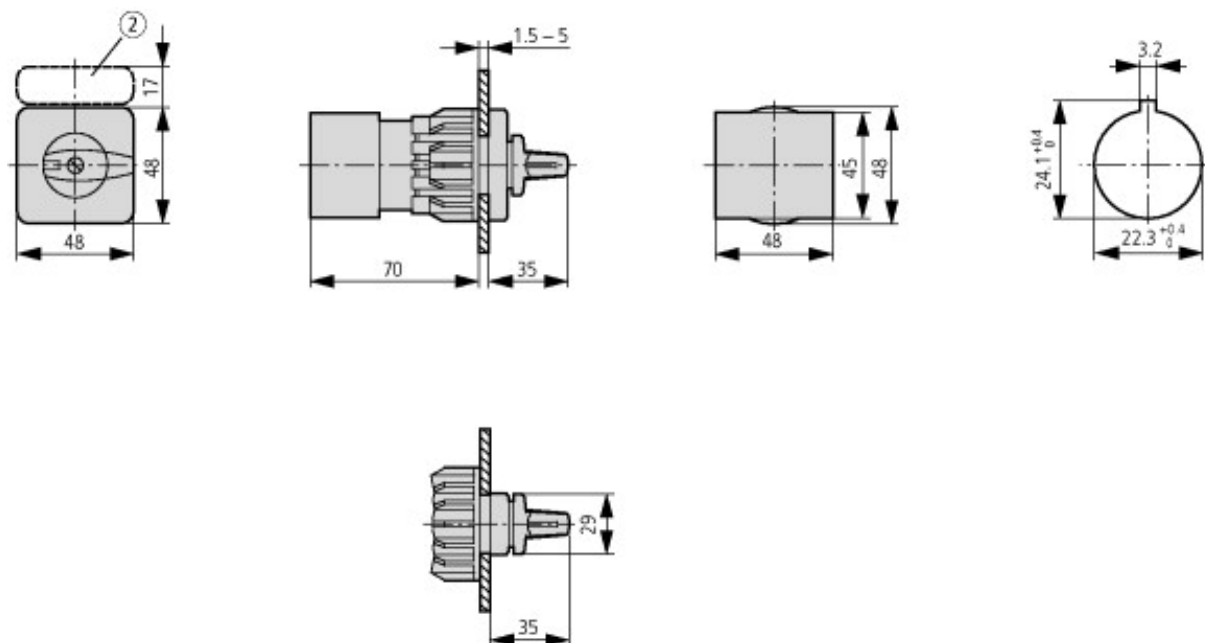
Connection type main current circuit

Screw connection

Degree of protection (IP), front side

IP65

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=40>

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

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