

Break contact, Cage Clamp, Front

Part no. M22-CK01 Article no. 216385



Catalog No. M22-CK01Q

Delivery programme

Product range

Basic function Standard/Approval Construction size Single unit/Complete unit Connection technique Fixing Description

Contacts

N/C = Normally closed

Notes

Contact sequence

RMQ-Titan (drilling dimensions 22.5 mm)
Accessories
UL/CSA, IEC
NZM1/2/3/4
Element
Spring-loaded terminals
Front fixing
Cage Clamp is a registered trademark of Wago Kontakttechnik GmbH/
Minden, Germany



e safety function, by positive opening to IEC/EN 60947-5-1



1/4 3/6 2/5

5.5

IP20

0 1.2

no

Single contact
General trip indication '+', when
tripped by shunt release, overload
release, short-circuit release or by
the residual-current release due to

residual-current.

Can be used with NZM1, 2, 3 circuitbreaker: a trip-indicating auxiliary contact can be clipped into the circuitbreaker.

Can be used with NZM4 circuitbreaker: up to two standard auxiliary contacts can be clipped into the circuit-breaker.

Any combinations of the auxiliary contact types are possible.

Not in combination with switch-disconnector PN...

Marking on switch: HIA Labeling in FI-Block: HIAFI. If the trip-indicating auxiliary switch in the fault current block is used, the NC contacts operates as a N/O contact and the NC contact operates as an N/O O contact.

Switching with the main contacts Used for indicating and interlocking tasks. Can be used with NZM1 circuitbreaker: a standard auxiliary contact can be clipped into the circuit-breaker. Can be used with NZM2 size circuitbreaker: a standard auxiliary contact can be clipped into the circuit-breaker. Can be used with NZM3, 4 circuitbreaker: up to three standard auxiliary contacts can be clipped into the circuit-breaker.

Any combinations of the auxiliary contact types are possible. Marking on switch: HIN. On combination with remote operator NZM-XR... the right mounting location of standard auxiliary contact HIN can be fitted only with individual contacts. NZM1(-4), 2(-4), 3(-4), 4(-4) PN1(-4), 2(-4), 3(-4), 4(-4) N(S)1(-4), 2(-4), 3(-4), 4(-4)

Contact travel diagram, stroke in connection with front element

Configuration

Protection type Connection to SmartWire-DT Connection type Description of HIA trip-indicating auxiliary contact

Description standard auxiliary contact

For use with

Notes

The following applies for the std. pack:

M22-(C)K...: Std. pack = 20 off

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

IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94-91; CE marking E29184 NKCR 012528 3211-03 UL listed, CSA certified UL/CSA Type: -

General

Standards

Lifespan, mechanical

Operating frequency

Actuating force

Operating torque (screw terminals)

Protection type

Climatic proofing

Ambient temperature

Open

Mounting position

Mechanical shock resistance

Terminal capacities

Solid

Stranded

Contacts

Rated impulse withstand voltage

Rated insulation voltage

Overvoltage category/pollution degree

Control circuit reliability

at 24 V DC/5 mA

at 5 V DC/1 mA

Max. short-circuit protective device

Fuseless

Fuse

Switching capacity

Rated operational current

AC-15

115 V

220 V 230 V 240 V

380 V 400 V 415 V

500 V

DC-13

42 V

60 V

110 V

Lifespan, electrical

AC-15

230 V/0.5 A

230 V/1.0 A

		IEC/EN 60947 VDE 0660
Operations	x 10 ⁶	>5
Operations/ h		≦ ₃₆₀₀
	n	≦ ₅
	Nm	≦ _{0.8}
		IP20
		Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
	°C	
	°C	- 25 - + 70
		As required
	g	30 Shock duration 11 ms Sinusoidal according to IEC 60068-2-27
	mm^2	
	mm ²	0.75 - 2.5
	mm^2	0.5 - 2.5

U _{imp}	V AC	6000
Ui	V	500
		III/3
H _F	Fault probabil	$< 10^{-7}$ (i.e. 1 failure to 10^7 operations)
H _F	Fault probabil	$< 5 \times 10^{-6}$ (i.e. 1 failure in 5×10^{6} operations)
	Туре	PKZM0-10/FAZ-B6/1
gG/gL	Α	10

l _e	Α	
l _e	Α	6
l _e	Α	6
l _e	Α	4
l _e	Α	2
l _e	Α	1.7
l _e	Α	1.2
l _e	Α	0.8
Operations	x 10 ⁶	1.6
Operations	x 10 ⁶	1

230 V/3.0 A Operations 0.7 10⁶ DV-13 12 V/2.8 A Operations 1.2 10⁶ **Auxiliary contacts** Rated operational voltage U_e ٧ Rated operational voltage Ue 500 AC Rated operational voltage, max. Ue 220 DC Conventional thermal current CSA Ith=le Rated operational current Α Different rated operational currents when used as auxiliary contact M22-M22-XHIV for NZM circuit-breaker CK... K... bei AC 50/60 Hz Bemessungsbetriebsstrom AC-1515 4 le 230 Α le 400 Α 2 2 le 500 le DC-1**3**4 3 3 3 le 42 1.7 1.5 le ٧ 60 Α 1.2 0.8 0.8 le 110 Α 0.8 0.5 0.5 le 220 0.3 0.2 0.2 le Short-circuit protection max. fuse Α 10

gG/ gL

Α

FAZ-B6/B1

make and break switching.

(switch times with manual operation):
NZM1, PN1, N(S)1: ca. 20 ms
NZM2, PN2, N(S)2: ca. 20 ms
NZM3, PN3, N(S)3: ca. 20 ms

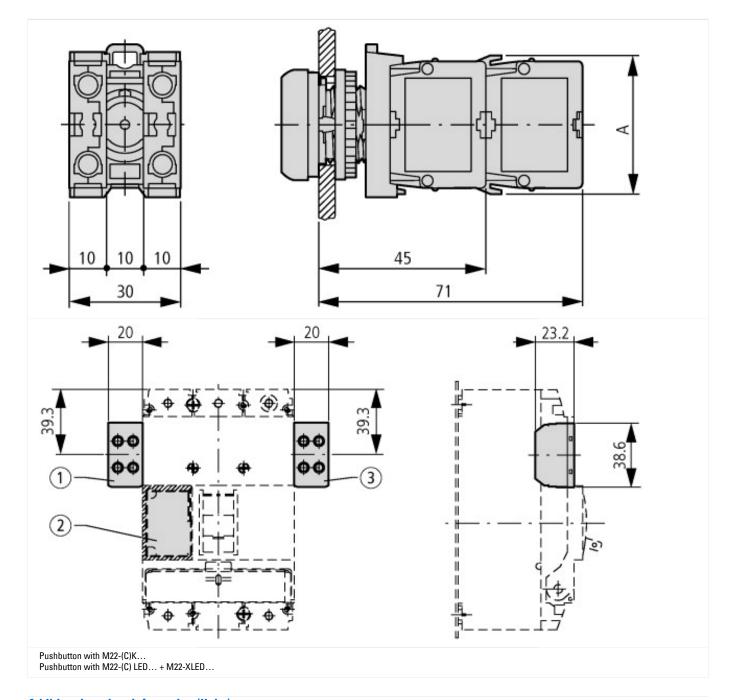
Early-make time of the HIV compared to the main contacts during with

		NZM4, N(S)4: approx. 90 ms, the HIV switch early Off switching not forward.
Terminal capacities	mm ²	
Solid or flexible conductor, with ferrule	mm ²	1 x (0.5 - 1.5) 2 x (0.5 - 0.75)
Other technical data (sheet catalogue)		Maximum equipment and position of the internal accessories
Technical data ETIM 5.0 Low-voltage industrial components (EG000017) / Auxiliary contact block (ECC Electric engineering, automation, process control engineering / Low-voltage (ecl@ss8-27-37-13-02 [AKN342009]) Number of contacts as change-over contact Number of contacts as normally open contact		nponent for low-voltage switching technology / Auxiliary switch block 0 0
Number of contacts as normally closed contact Rated operation current le at AC-15,	А	1 6
230 V		

Dimensions

Max. miniature circuit-breaker

Operating times



Additional product information (links)

IL04716002Z (AWA1160-1745) RMQ-Titan System

IL04716002Z (AWA1160-1745) RMQ-Titan System ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716002Z2013_08.pdf