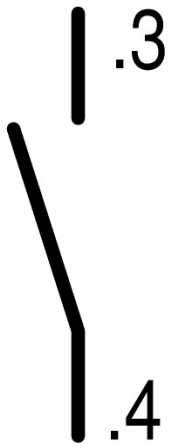
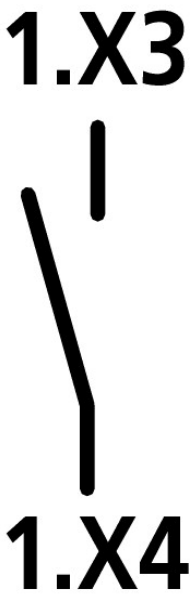
Make contact,Cage Clamp,Front

Part no.	**M22-CK10**
Article no.	**216384**
Catalog No.	**M22-CK10Q**

Delivery programme

Product range	RMQ-Titan (drilling dimensions 22.5 mm)
Basic function	Accessories
Standard/Approval	UL/CSA, IEC
Construction size	NZM1/2/3/4
Single unit/Complete unit	Element
Connection technique	Spring-loaded terminals
Fixing	Front fixing
Description	Cage Clamp is a registered trademark of Wago Kontakttechnik GmbH/ Minden, Germany
Contacts	
N/O = Normally open	1 N/O
Contact sequence	
Contact sequence	
Contact travel diagram, stroke in connection with front element	
Configuration	

Protection type	IP20
Connection to SmartWire-DT	no
Connection type	Single contact
Description of HIA trip-indicating auxiliary 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 circuit-breaker: a trip-indicating auxiliary contact can be clipped into the circuit-breaker. Can be used with NZM4 circuit-breaker: 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 contact.
Description standard auxiliary contact HIN	Switching with the main contacts Used for indicating and interlocking tasks. Can be used with NZM1 circuit-breaker: a standard auxiliary contact can be clipped into the circuit-breaker. Can be used with NZM2 size circuit-breaker: a standard auxiliary contact can be clipped into the circuit-breaker. Can be used with NZM3, 4 circuit-breaker: 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.
For use with	NZM1(-4), 2(-4), 3(-4), 4(-4) PN1(-4), 2(-4), 3(-4) N(S)1(-4), 2(-4), 3(-4), 4(-4)

Notes

The following applies for the std. pack:

M22-(C)K…: Std. pack = 20 off

Approvals

Product Standards	IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94-91; CE marking
UL File No.	E29184
UL Category Control No.	NKCR
CSA File No.	012528
CSA Class No.	3211-03
North America Certification	UL listed, CSA certified
Degree of Protection	UL/CSA Type: -

General

Standards			IEC/EN 60947 VDE 0660
Lifespan, mechanical	Operations	x 10^6	> 5
Operating frequency	Operations/h		≦ 3600
Actuating force		n	≦ 5
Operating torque (screw terminals)		Nm	≦ 0.8
Protection type			IP20
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature		°C	
Open		°C	- 25 - + 70
Mounting position			As required

Mechanical shock resistance		g	30 Shock duration 11 ms Sinusoidal according to IEC 60068-2-27
Terminal capacities		mm^2	
Solid		mm^2	0.75 - 2.5
Stranded		mm^2	0.5 - 2.5

Contacts

Rated impulse withstand voltage	U_{imp}	V AC	6000
Rated insulation voltage	U_i	V	500
Overvoltage category/pollution degree			III/3
Control circuit reliability			
at 24 V DC/5 mA	H_F	Fault probability	$< 10^{-7}$ (i.e. 1 failure to 10^7 operations)
at 5 V DC/1 mA	H_F	Fault probability	$< 5 \times 10^{-6}$ (i.e. 1 failure in 5×10^6 operations)
Max. short-circuit protective device			
Fuseless		Type	PKZM0-10/FAZ-B6/1
Fuse	gG/gL	A	10

Switching capacity

Rated operational current	I_e	A	
AC-15			
115 V	I_e	A	6
220 V 230 V 240 V	I_e	A	6
380 V 400 V 415 V	I_e	A	4
500 V	I_e	A	2
DC-13			
42 V	I_e	A	1.7
60 V	I_e	A	1.2
110 V	I_e	A	0.8
Lifespan, electrical			
AC-15			
230 V/0.5 A	Operations	x 10^6	1.6
230 V/1.0 A	Operations	x 10^6	1
230 V/3.0 A	Operations	x 10^6	0.7
DV-13			
12 V/2.8 A	Operations	x 10^6	1.2

Auxiliary contacts

Rated operational voltage	U_e	V	
Rated operational voltage	Ue	V AC	500
Rated operational voltage, max.	Ue	V DC	220
Conventional thermal current	Ith=Ie	CSA	4
Rated operational current	I_e	A	

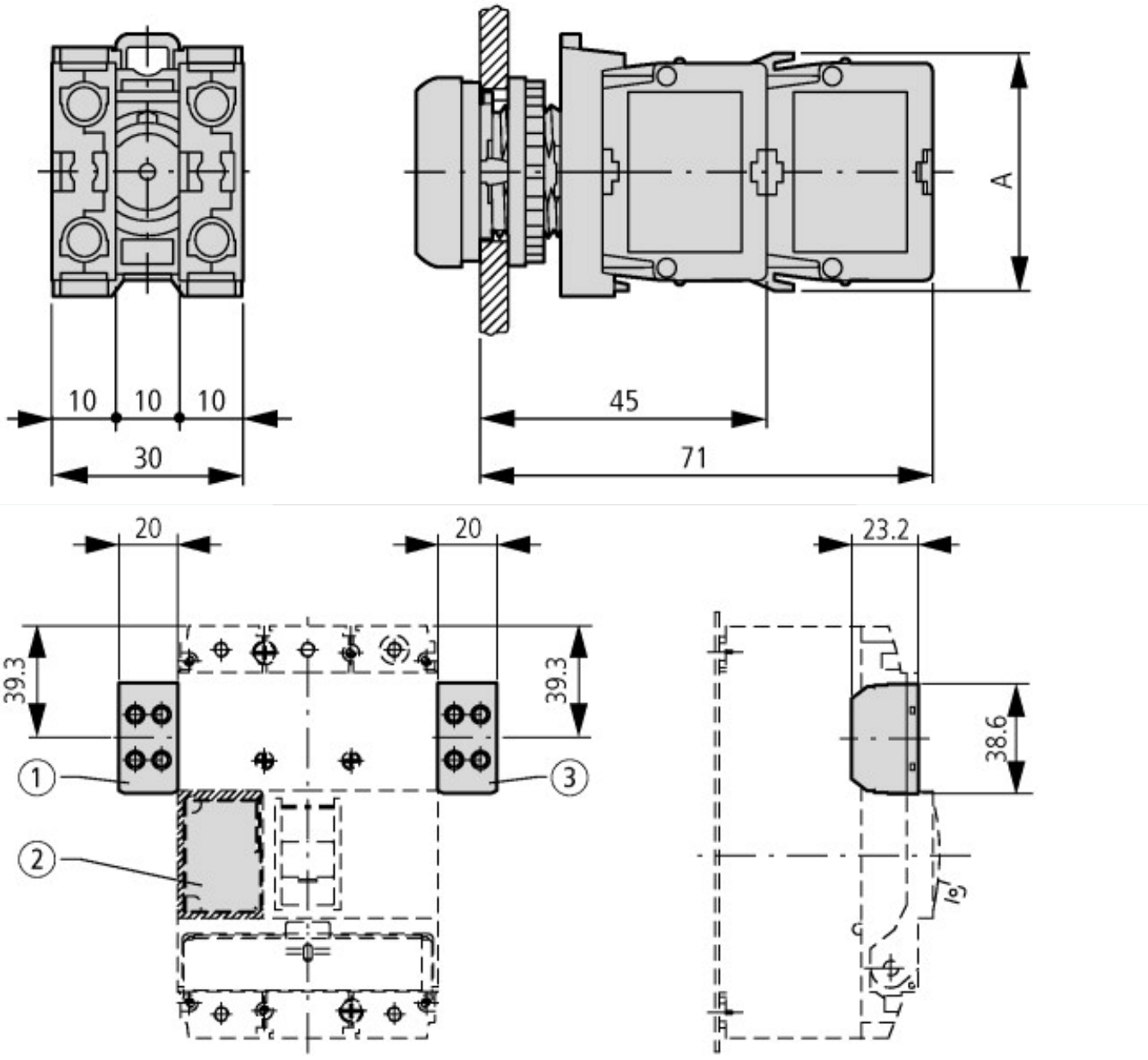
Different rated operational currents when used as auxiliary contact for NZM circuit-breaker						M22-K...	M22-CK...	XHIV
				bei AC = 50/60 Hz				
			Bemessungsbetriebsstrom					
			AC-15	115 V	Ie	A	4	4	4
				230 V	Ie	A	4	4	4
				400 V	Ie	A	2	-	2
				500 V	Ie	A	1	-	1
			DC-13	24 V	Ie	A	3	3	3
				42 V	Ie	A	1.7	1	1.5
				60 V	Ie	A	1.2	0.8	0.8
				110 V	Ie	A	0.8	0.5	0.5
				220 V	Ie	A	0.3	0.2	0.2
Short-circuit protection									
max. fuse		A gG/gL	10						
Max. miniature circuit-breaker		A	FAZ-B6/B1						
Operating times									
			Early-make time of the HIV compared to the main contacts during with 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 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 (0.75 - 2.5) 2 x (0.75 - 2.5)					
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 (EC000041)
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Auxiliary switch block (ecl@ss8-27-37-13-02 [AKN342009])

Number of contacts as change-over contact		0
Number of contacts as normally open contact		1
Number of contacts as normally closed contact		0
Rated operation current Ie at AC-15, 230 V	A	6
Type of electric connection		Spring clamp connection
Mounting method		Front fastening

Dimensions



Pushbutton with M22-(C)K…
Pushbutton with M22-(C) LED… + M22-XLED…

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