




Contact element, 1 N/C, front mount, 6. contact, spring clamp connection

Part no. **M22-CK01**
Article no. **216385**
Catalog No. **M22-CK01Q**

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
Basic function accessories		Contact elements
Connection technique		Spring-loaded terminals
Fixing		Front fixing
Description		Cage Clamp is a registered trademark of Wago Kontakttechnik GmbH/Minden, Germany
Contacts		
N/C = Normally closed		1 NC 
Notes		 = safety function, by positive opening to IEC/EN 60947-5-1
Contact sequence		

Contact sequence			
Contact travel diagram, stroke in connection with front element			
Configuration			
Degree of Protection			IP20
Connection to SmartWire-DT			no
Connection type			Single contact
Description of HIA trip-indicating auxiliary contact			<p>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.</p>
Description standard auxiliary contact HIN			<p>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.</p>
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)

Technical data

General

Lifespan, mechanical	Operations	$\times 10^6$	> 5
Operating frequency	Operations/h		3600
Actuating force	n		5
Degree of Protection			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
Terminal capacities	mm ²		

Solid	mm ²	0.75 - 2.5
Stranded	mm ²	0.5 - 2.5
Flexible with ferrule	mm ²	0.5 - 1.5

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 x 10 ⁻⁶ (i.e. 1 failure in 5 x 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			
24 V	I _e	A	3
42 V	I _e	A	1.7
60 V	I _e	A	1.2
110 V	I _e	A	0.8
220 V	I _e	A	0.3
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	U _e	V AC	500
Rated operational voltage, max.	U _e	V DC	220
Conventional thermal current	I _{th} = I _e	CSA	4
Rated operational current	I _e	A	
Different rated operational currents when used as auxiliary contact for NZM circuit-breaker			
			M22- M22- XHIV (C)K10(01)CK11(02) (20)
		bei AC = 50/60 Hz	
	Bemessungs- betriebsstrom		
	AC-15	I _e A	4 4 4
	115 V	I _e A	4 4 4
	230 V	I _e A	4 4 4
	400 V	I _e A	2 - 2
	500 V	I _e A	1 - 1
	DC-13	I _e A	3 3 3
	24 V	I _e A	1.7 1 1.5
	42 V	I _e A	1.2 0.8 0.8
	60 V	I _e A	0.6 0.5 0.5
	110 V	I _e A	
	220 V	I _e A	

10.12 Electromagnetic compatibility		Is the panel builder's responsibility. The specifications for the switchgear must be observed.
10.13 Mechanical function		The device meets the requirements, provided the information in the instruction leaflet (IL) is observed.

Technical data ETIM 6.0

Low-voltage industrial components (EG000017) / Auxiliary contact block (EC000041)

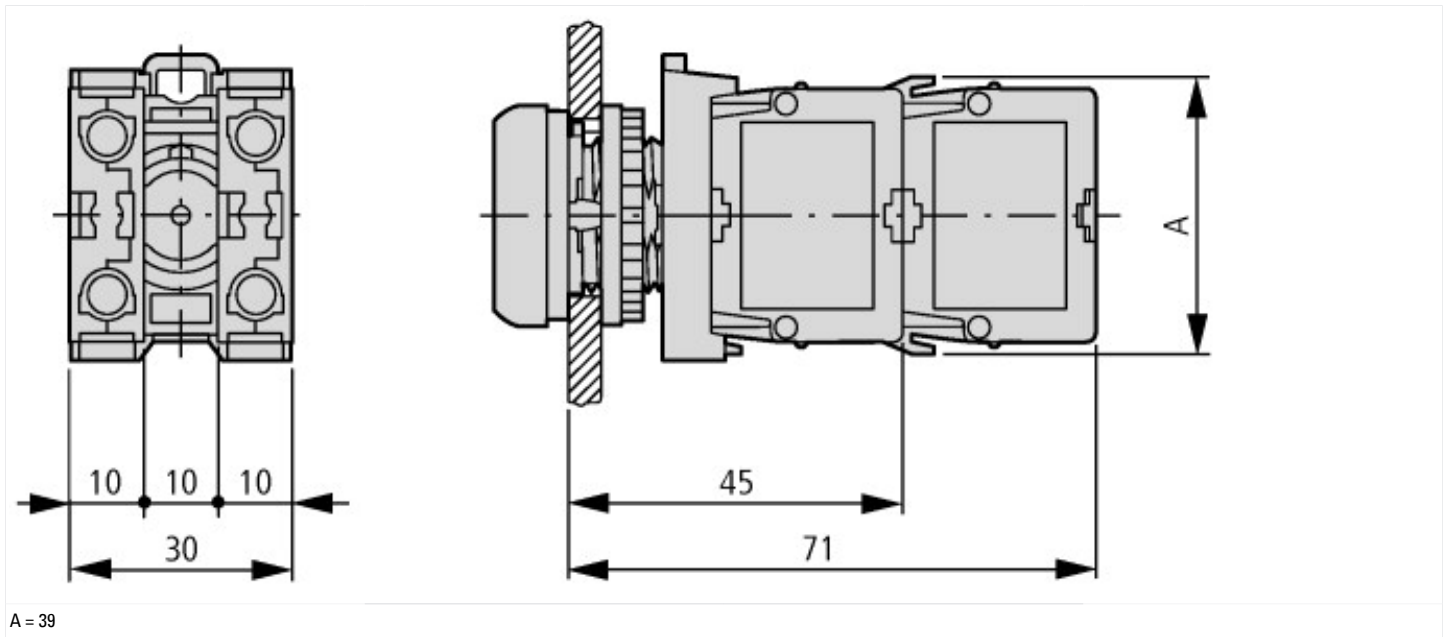
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Auxiliary switch block (ec1@ss8.1-27-37-13-02 [AKN342010])

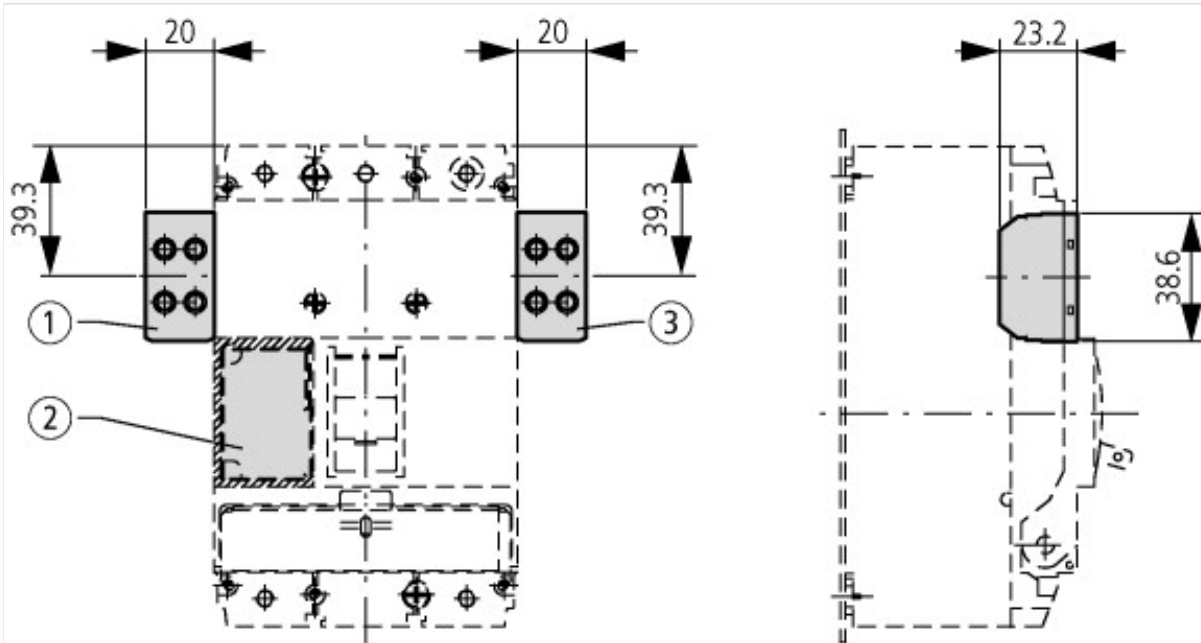
Number of contacts as change-over contact		0
Number of contacts as normally open contact		0
Number of contacts as normally closed contact		1
Rated operation current I_e at AC-15, 230 V	A	6
Type of electric connection		Spring clamp connection
Model		Top mounting and integrable
Mounting method		Front fastening

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: -

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/IL04716002Z2015_02.pdf

Maximum equipment and position of the internal accessories

<http://ecat.moeller.net/flip-cat/?edition=HPLEN&startpage=17.178>