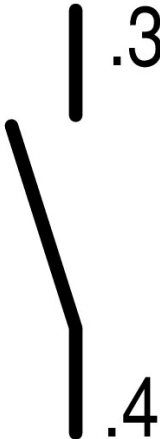





Product range			RMQ-Titan (drilling dimensions 22.5 mm)
Basic function			Accessories
Standard/Approval			UL/CSA, IEC
Construction size			NZM1/2/3/4
Single unit/Complete unit			Element
Basic function accessories			Contact elements
Connection technique			Screw terminals
Fixing			Front fixing
N/O = Normally open			1 N/O
Minimum force for positive opening	N		0
Contact sequence			

Contact sequence			<div>1.X3</div>  <div>1.X4</div>
Contact travel diagram, stroke in connection with front element			 <div>02.85.5</div>
Configuration			<div> <div>1/4</div> <div>3/6</div> <div>2/5</div> </div> 
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.</p> <p>Can be used with NZM1, 2, 3 circuit-breaker: a trip-indicating auxiliary contact can be clipped into the circuit-breaker.</p> <p>Can be used with NZM4 circuit-breaker: up to two standard auxiliary contacts can be clipped into the circuit-breaker.</p> <p>Any combinations of the auxiliary contact types are possible.</p> <p>Not in combination with switch-disconnector PN...</p> <p>Marking on switch: HIA</p> <p>Labeling in FI-Block: HIAFI.</p> <p>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.</p> <p>Can be used with NZM1 circuit-breaker: a standard auxiliary contact can be clipped into the circuit-breaker.</p> <p>Can be used with NZM2 size circuit-breaker: a standard auxiliary contact can be clipped into the circuit-breaker.</p> <p>Can be used with NZM3, 4 circuit-breaker: up to three standard auxiliary contacts can be clipped into the circuit-breaker.</p> <p>Any combinations of the auxiliary contact types are possible.</p> <p>Marking on switch: HIN.</p> <p>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			<p>NZM1(-4), 2(-4), 3(-4), 4(-4)</p> <p>PN1(-4), 2(-4), 3(-4)</p> <p>N(S)1(-4), 2(-4), 3(-4), 4(-4)</p>
For Std. pack:			
M22-(C)K... : Std. pack = 20 off			

Standards			IEC 60947-5-1
Lifespan, mechanical	Operations	x 10 ⁶	> 5
Operating frequency	Operations/h		 3600
Actuating force		n	 5
Operating torque (screw terminals)		Nm	 0.8

Degree of Protection			IP20
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature			
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

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

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	0.6
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

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	
circuit-breaker	when used as auxiliary contact for NZM		<div> <div> <div>bei</div> <div>AC =</div> <div>50/60</div> <div>Hz</div> </div> <div> <div>Bemessungs-</div> <div>betriebsstrom</div> <div>AC-15</div> <div>115</div> <div>V</div> <div>230</div> <div>V</div> </div> <div> <div>I_e</div> <div>A</div> <div>4</div> <div>4</div> <div>4</div> </div> </div> <div> <div>M22-</div> <div>(C)K10(01)</div> <div>M22-</div> <div>CK11(02)</div> <div>XHIV</div> <div>(20)</div> </div>

						M22- (C)K10(01)	M22- CK11(02) (20)	XHIV
					bei AC = 50/60 Hz			
			400 V	I _e	A	2	-	2
			500 V	I _e	A	1	-	1
			DC-12 V	I _e	A	3	3	3
			42 V	I _e	A	1.7	1	1.5
			60 V	I _e	A	1.2	0.8	0.8
			110 V	I _e	A	0.6	0.5	0.5
			220 V	I _e	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 switching 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)				
UL/CSA								
Rated operational current	I _e	A	5 A – 600 V AC 1 A - 250 V DC					
Other technical data (sheet catalogue)				Maximum equipment and position of the internal accessories				

Technical data for design verification				
Rated operational current for specified heat dissipation	I _n	A	6	
Heat dissipation per pole, current-dependent	P _{vid}	W	0.11	
Equipment heat dissipation, current-dependent	P _{vid}	W	0	
Static heat dissipation, non-current-dependent	P _{vs}	W	0	
Heat dissipation capacity	P _{diss}	W	0	
Operating ambient temperature min.		°C	-25	
Operating ambient temperature max.		°C	70	
IEC/EN 61439 design verification				
10.2 Strength of materials and parts				
10.2.2 Corrosion resistance				Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures				Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat				Meets the product standard's requirements.
10.2.3.3 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric effects				Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation				Meets the product standard's requirements.
10.2.5 Lifting				Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact				Does not apply, since the entire switchgear needs to be evaluated.
10.2.7 Inscriptions				Meets the product standard's requirements.
10.3 Degree of protection of ASSEMBLIES				Does not apply, since the entire switchgear needs to be evaluated.
10.4 Clearances and creepage distances				Meets the product standard's requirements.
10.5 Protection against electric shock				Does not apply, since the entire switchgear needs to be evaluated.
10.6 Incorporation of switching devices and components				Does not apply, since the entire switchgear needs to be evaluated.
10.7 Internal electrical circuits and connections				Is the panel builder's responsibility.
10.8 Connections for external conductors				Is the panel builder's responsibility.

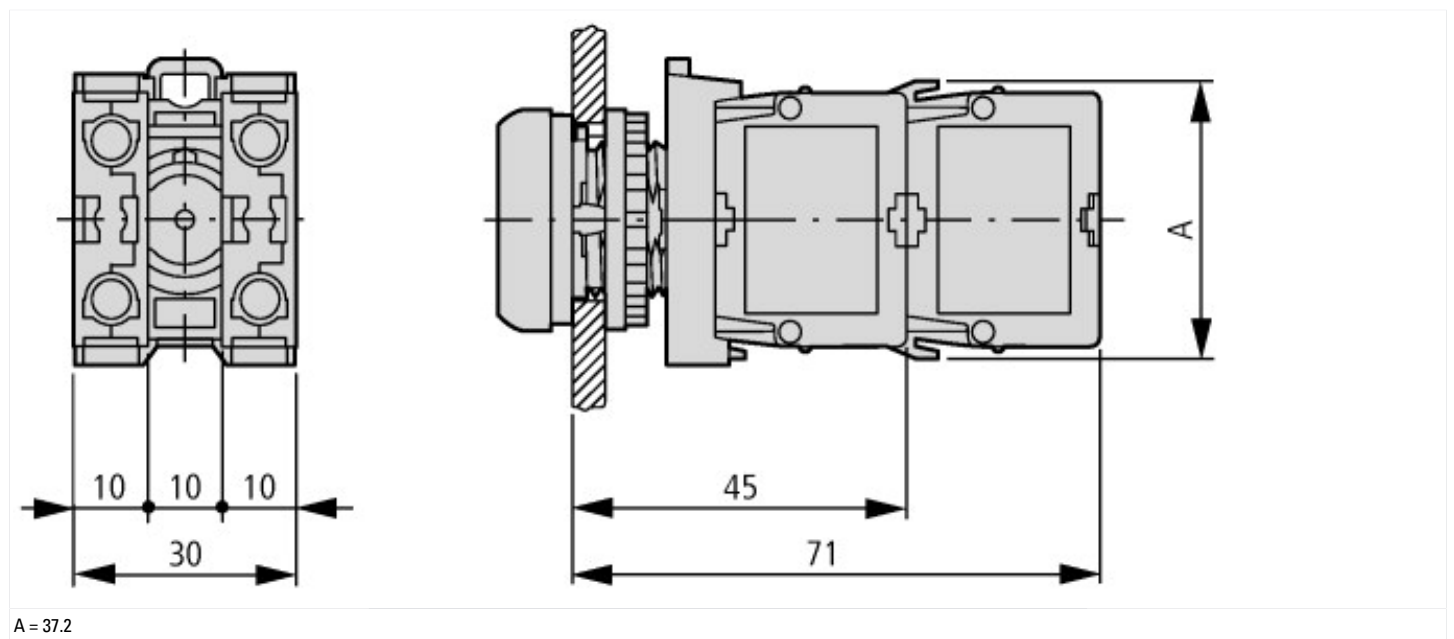
10.9 Insulation properties			
10.9.2 Power-frequency electric strength			Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage			Is the panel builder's responsibility.
10.9.4 Testing of enclosures made of insulating material			Is the panel builder's responsibility.
10.10 Temperature rise			The panel builder is responsible for the temperature rise calculation. Eaton will provide heat dissipation data for the devices.
10.11 Short-circuit rating			Is the panel builder's responsibility. The specifications for the switchgear must be observed.
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.

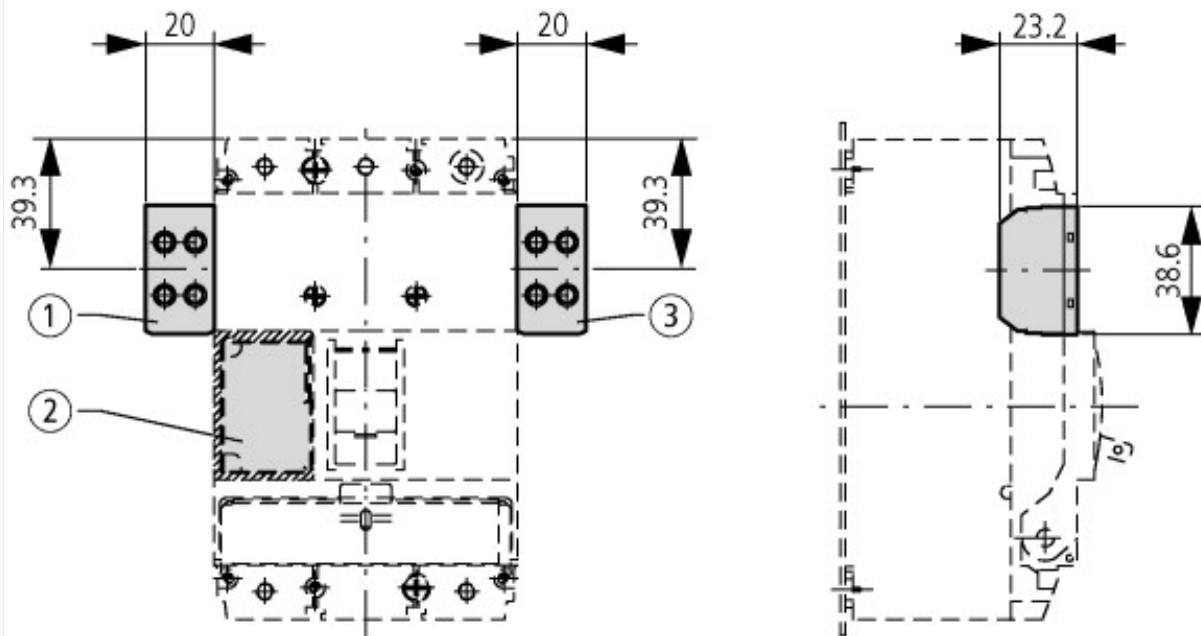
Low-voltage industrial components (EG000017) / Auxiliary contact block (EC000041)

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

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 I _e at AC-15, 230 V		A	6
Type of electric connection			Screw connection
Model			Top mounting and integrable
Mounting method			Front fastening

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: -





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

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>