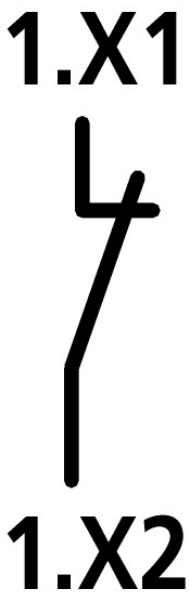
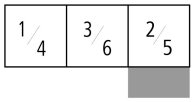
Break contact,Front

Part no.	**M22-K01**
Article no.	**216378**
Catalog No.	**M22-K01Q**

Powering Business Worldwide™

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		Screw terminals
Fixing		Front fixing
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			
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

For 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		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
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	0.6
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

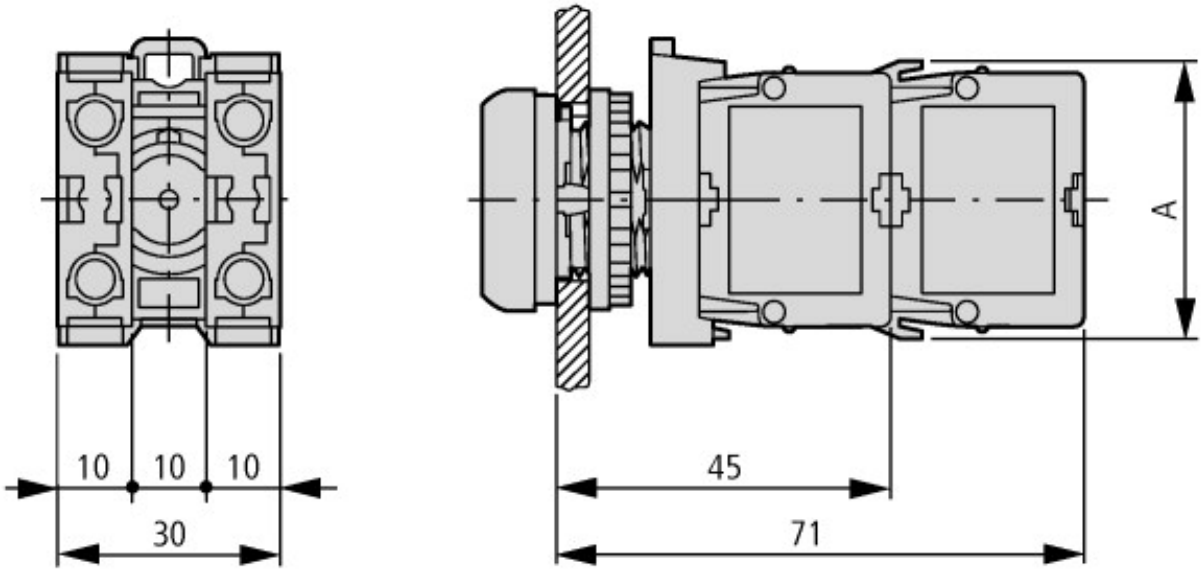
Auxiliary contacts

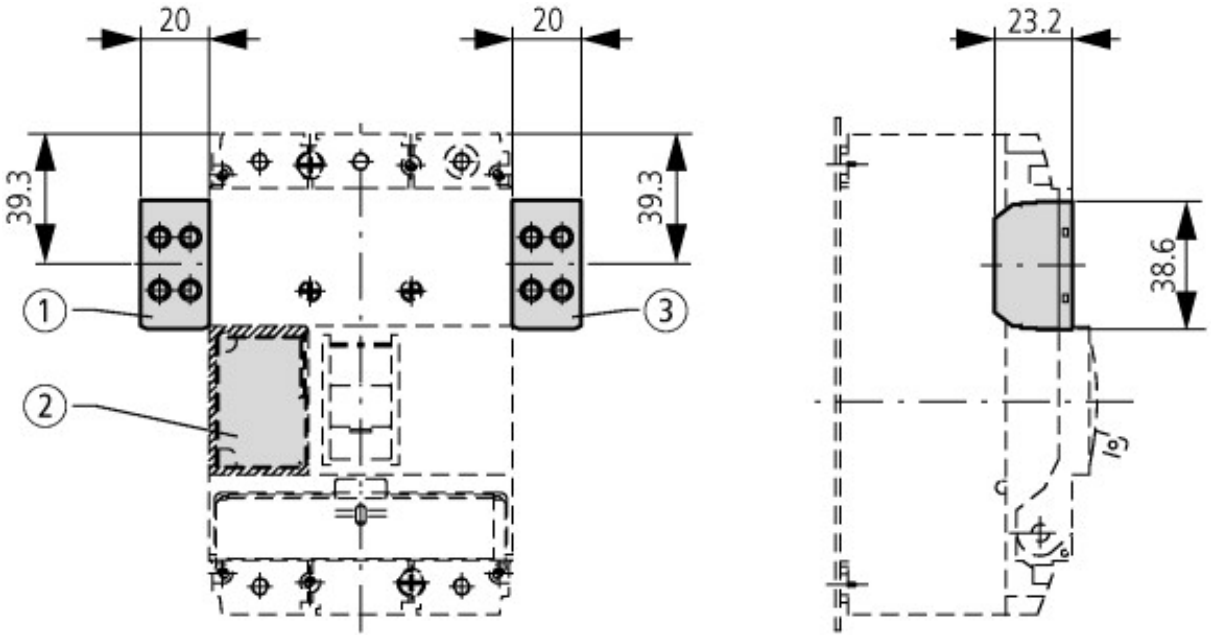
Terminal capacities		mm^2	
Solid or flexible conductor, with ferrule		mm^2	1 x (0.75 - 2.5) 2 x (0.75 - 2.5)
UL/CSA			
Rated operational current	I_e	A	5 A – 600 V AC 1 A - 250 V DC

Technical data ETIM 4.0

Number of contacts as change-over contact			0
Number of contacts as normally open contact			0
Number of contacts as normally closed contact			1
Suitable for panel push button			Yes
Suitable for earth leakage switch			No
Suitable for front element			Yes
Suitable for hanging switch			No
Suitable for pendant control station			No
Suitable for auxiliary relay			No
Suitable for impulse relay			No
Suitable for installation protection/installation relay			No
Suitable for earth leakage circuit breaker			No
Suitable for switch disconnector kompakt			No
Suitable for power circuit breaker			No
Suitable for power protection			No
Suitable for miniature circuit breaker			No
Suitable for over current-/earth leakage switch			No
Suitable for magnetic switch			No
Suitable for motor safety switch			No
Suitable for cam-type control switch			No
Suitable for position switch			No
Suitable for modular relay			No
Suitable for safety position switch			No
Suitable for current surge switch			No
Suitable for level switch			No
Rated operation current Ie at AC-15, 230 V		A	6
Type of electric connection			Screw 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