

Double N/C contact, Cage Clamp

Part no. M22-CK02



Article no. 107899

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

ogram lange	RMQ-Titan (drilling dimensions 22.5 mm)
Basic function	Accessories
lange	Accessories
Accessories	Standard auxiliary contact, trip-indicating auxiliary switch
standard/Approval	UL/CSA, IEC
Construction size	NZM1/2/3/4
ingle unit/Complete unit	Element
onnection technique	Cage Clamp
ixing	Front fixing
lescription	When using emergency switching off actuators M22-PV max. 2 contact elements = 4 NC / N/O contacts
auxiliary contacts: = safety function, by positive opening to IEC/EN 0947-5-1	
N/C = Normally closed	2 N/C →
Contact sequence	1.1 1.2 1.2
ontact sequence	1.X1 1.X1 L. L. // 1.X2 1.X2
ontact travel diagram, stroke in connection with front element	0 1.2 5.5
rotection type	IP20
onnection to SmartWire-DT	no
onnection type	Double 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.

	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)

Approbationen
UL approval
CSA approval
Product Standards
UL File No.
UL CCN
CSA File No.
CSA Class No.
NA Certification
Degree of Protection Degree of Protection

Yes Yes 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			IEC/EN 60947 VDE 0660
Operating frequency	Operations/ h		≦ ₃₆₀₀
Actuating force		n	≦ ₁₀
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
Storage		°C	- 0 - + 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	0.5 - 1.5
Stranded		mm ²	0.5 - 1.5
Flexible with ferrule		mm ²	0.5 - 1.0

Contacts

Rated impulse withstand voltage	U _{imp}	V AC	4000
Rated insulation voltage	Ui	V	250
Overvoltage category/pollution degree			III/3
Max. short-circuit protective device			
Fuseless		Type	PKZM0-10/FAZ-B6/1
Fuse	gG/gL	Α	10
O 12 11 12 12 12 12 12 12 12 12 12 12 12			

Switching capacity

Rated operational current	l _e	Α	
AC-15			
115 V	l _e	Α	4
230 V	l _e	Α	4
DC-13			
24 V	l _e	Α	3
42 V	l _e	Α	1
60 V	l _e	Α	0.8
110 V	l _e	Α	0.5
220 V	l _e	Α	0.2

Auxiliary contacts

Rated operational voltage	U _e	V	
Rated operational voltage	Ue	V AC	230

Rated operational voltage, max.	Ue	V	220						
		DC							
Conventional thermal current	lth=le	CSA	4						
Rated operational current	l _e	Α							
Different rated operational currents when used as auxiliary contact for NZM circuit-breaker			V 4(V	riebsstro 15 , 30 , 00 , 00 ,	bei AC = 50/60 Hz m le le le	A A A A	M22- K 4 4 1 3 1.7	M22- CK	XHIV 4 4 2 1 3 1.5
			V 60 V 1' V	, 0 , 10 , 20	le le le	A A A	1.2 0.8 0.3	0.8 0.5 0.2	0.8 0.5 0.2
Short-circuit protection									
max. fuse		A gG/ gL	10						
Max. miniature circuit-breaker		Α	FAZ-B6/B1						
Operating times									
			Early-make time of t make and break swi (switch times with n NZM1, PN1, N(S)1: o NZM2, PN2, N(S)2: o NZM3, PN3, N(S)3: o NZM4, N(S)4: appro forward.	nanual o nanual o ca. 20 ms ca. 20 ms ca. 20 ms	peration	n):			
Terminal capacities		mm ²							
Solid or flexible conductor with ferrule		mm ²	1 x (0.5 - 1.5) 2 x (0.5 - 0.75)						
		AWG	1 x (20 - 18) 2 x (20 - 18)						
Other technical data (sheet catalogue)			Maximum equipmer	nt and po	sition o	f the inter	nal access	ories	
Indoor and protected outdoor installation									

Technical data according to ETIM 4.0

Technical data according to Ethin 4.0		
Suitable for earth leakage circuit breaker		No
Type of electric connection		Spring clamp connection
Rated operation current le at AC-15, 230 V	Α	6
Mounting type		Front mount
Suitable for pendant switch		No
Suitable for front element		YES
Suitable for circuit-breakers		No
Suitable for safety position switches		No
Suitable for step switches		No
Suitable for pressure switch/selector switch actuator		YES
Suitable for cam switches		No
Suitable for motor protective circuit breakers		No
Suitable for series-mounting relays		No
Suitable for solenoid		No
Suitable for compact switch-disconnector		No

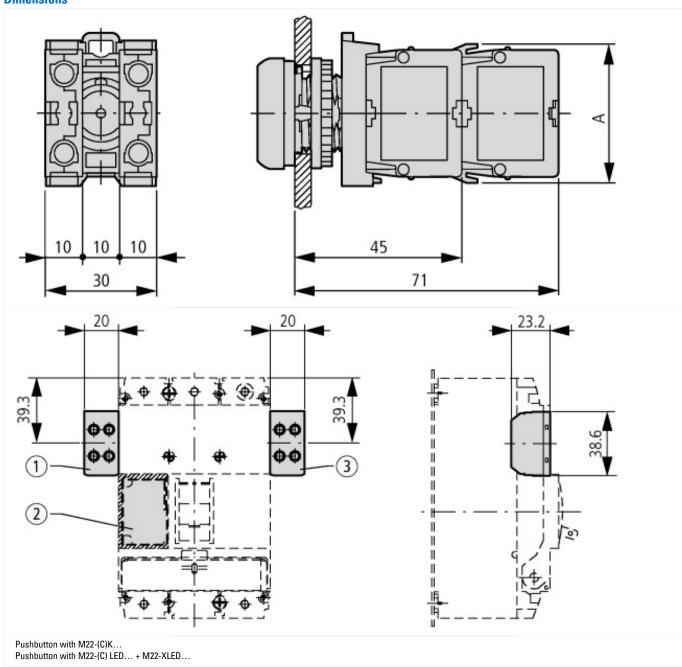
Suitable for miniature circuit-breakers	No
Suitable for pulse relay	No
Suitable for contactor relay relay	No
Suitable for pendant pushbutton	No
Suitable for residual current device	No
Number of contacts as change-over contact	0
Number of contacts as N/O	0
Number of contacts as NC	2
Suitable for impulse relays	No
Suitable for position switches	No
Suitable for switch-disconnector/residual current device	No
Suitable for contactors	No
Suitable for installation contactor / installation relay	No

CAD-Data

Product standards CAD data:

http://eaton-moeller.partcommunity.com

Dimensions



Additional product information (links)

IL04716002Z (AWA1160-1745) RMQ-Titan System

ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716002Z2011_03.pdf