



Contact element FlatRear, 1 N/C, front mount, spring clamp connection

Part no.

Catalog No.

Eaton Catalog No.

EL-Nummer
(Norway)

M22-FK01

180791

M22-FK01

4315742

Delivery program

Product range		Accessories
Part group reference (e.g. DIL)		M22
Basic function accessories		Contact elements
Single unit/Complete unit		Element
Description		Cage Clamp is a registered trademark of Wago Kontakttechnik GmbH/Minden, Germany
Connection technique		Cage Clamp
Fixing		Front fixing
Degree of Protection		IP20
Connection to SmartWire-DT		no
Approval		

Contacts

N/C = Normally closed		1 NC 
Notes		 = safety function, by positive opening to IEC/EN 60947-5-1

Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1

	mm	5.5
Maximum travel	mm	5.8
Minimum force for positive opening	N	20

Diagram illustrating a contact sequence. A vertical line is shown, with a horizontal segment at the top. The top horizontal segment is labeled $L.1$ and the bottom vertical segment is labeled $L.2$.

Contact travel diagram, stroke in connection with front element			
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Contact diagram

The contact diagram for M22-FK01 shows a horizontal bar with a total width of 5.5 mm. The bar is divided into three segments: a black segment of 0 mm, a white segment of 3.3 mm, and a black segment of 5.8 mm. The total width is labeled as ZW = 5.5 mm.

Connection technique			Cage Clamp
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Technical data

General

Standards		IEC 60947-5-1
Lifespan, mechanical	Operations	$\times 10^6$ > 1
Operating frequency	Operations/h	≤ 3600
Actuating force	n	≤ 4.5
Degree of Protection		IP20
Climatic proofing		Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30 Dry heat to IEC 60068-2-2
Ambient temperature		
Open	°C	-25 - +70
Storage	°C	- 40 - + 85
Mechanical shock resistance to IEC 60068-2-27 Shock duration 11 ms, half-sinusoidal	g	> 50
Terminal capacities	mm ²	
Solid	mm ²	2 x 1 (0.2 - 1.5) 2 x 1 (075 - 1.5) Can be plugged without tools
Flexible with ferrule	mm ²	2 x 1 (0.25 - 1) Use WAGO Variocrimp 4 crimping tool; please enquire for others
Flexible without ferrule	mm ²	2 x 1 (0.25 - 1) Insert with tool
Solid or stranded	AWG	2 x 1 (24 - 16)

Contacts

Rated impulse withstand voltage	U _{imp}	V AC	4000
Rated insulation voltage	U _i	V	250
Overvoltage category/pollution degree			III/3
Max. short-circuit protective device			
Fuseless		Type	FAZ-B4
Fuse	gG/gL	A	4

Switching capacity

Rated operational current	I_e	A
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AC-15			
24 V	I _e	A	4
60 V	I _e	A	4
110 V	I _e	A	2
230 V	I _e	A	1.5
DC-13			
24 V	I _e	A	1.5
60 V	I _e	A	0.8
110 V	I _e	A	0.4
220 V	I _e	A	0.2

Auxiliary contacts

Rated conditional short-circuit current	I _q	kA	1
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Design verification as per IEC/EN 61439

Technical data for design verification			
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	70

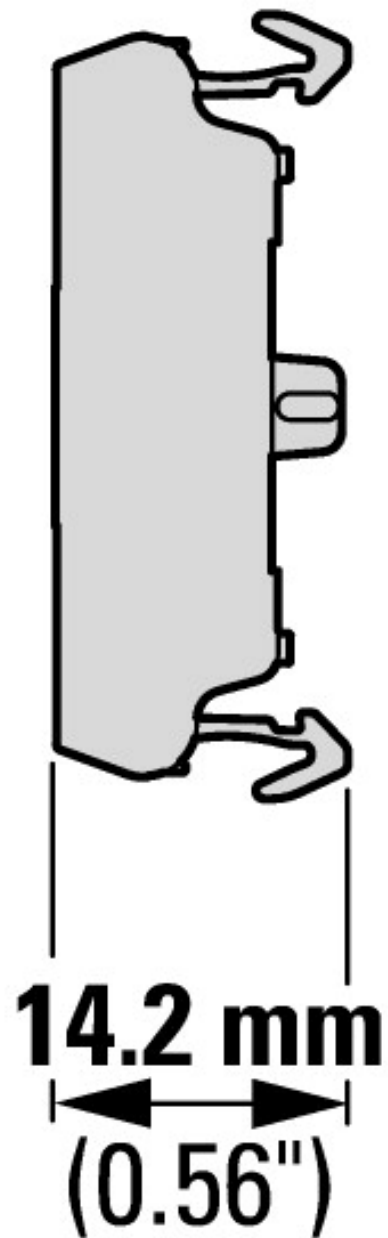
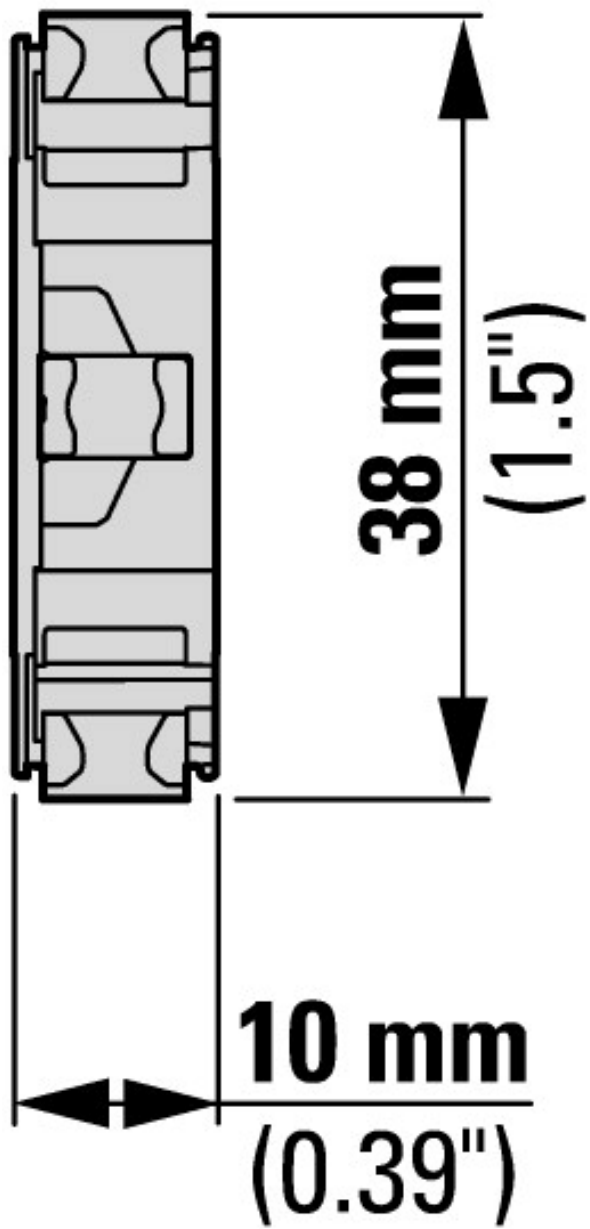
Technical data ETIM 6.0

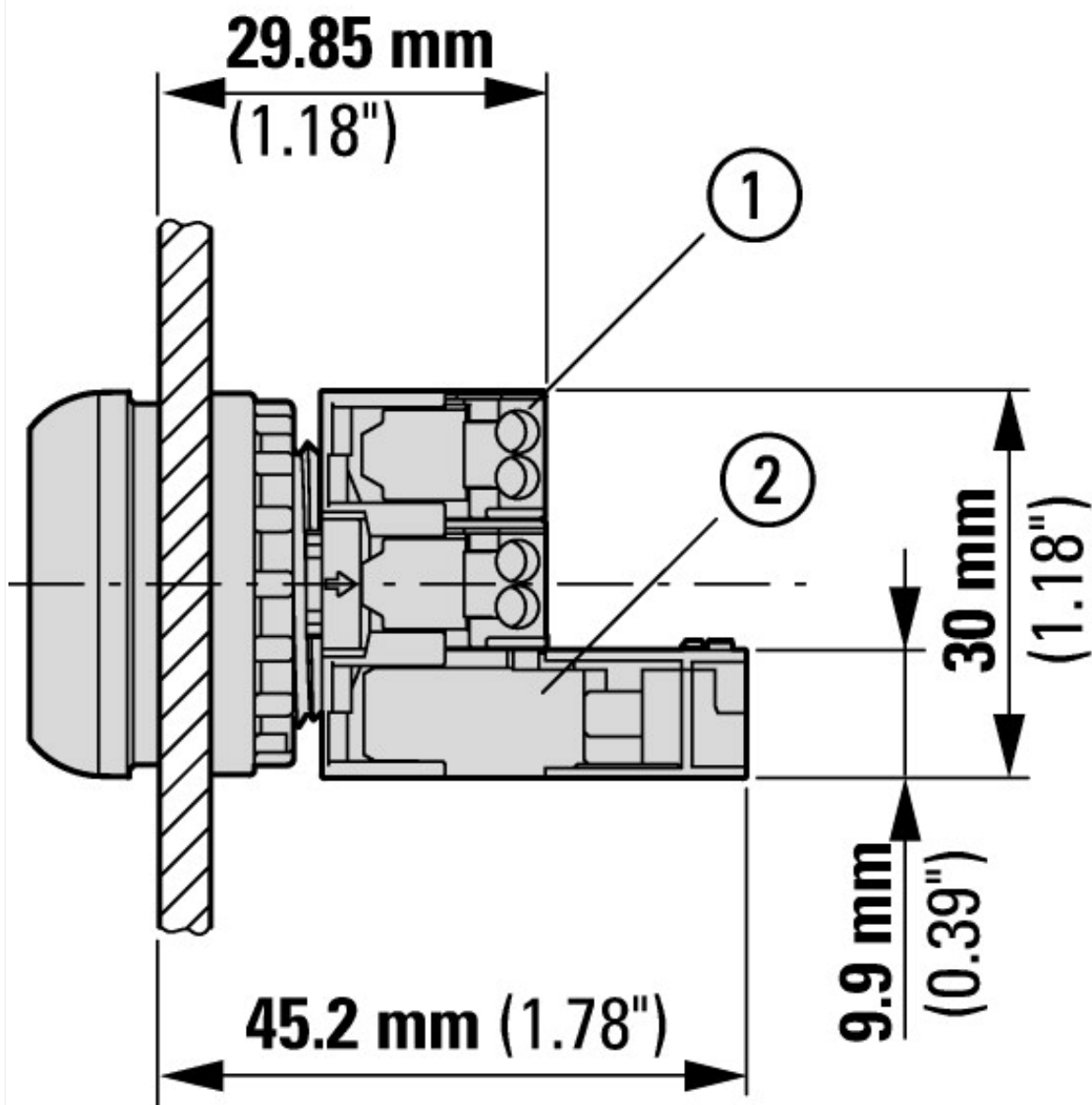
Low-voltage industrial components (EG000017) / Auxiliary contact block (EC000041)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Component for low-voltage switching technology / Auxiliary switch block (ecI@ss8.1-27-37-13-02 [AKN342010])			
Number of 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	1.5
Type of electric connection			Spring clamp connection
Model			Top mounting
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





- ① M22-FK10(01)
- ② M22-(C)K...

Assets (Links)

[Declaration of Conformity](#)
00002595

Additional product information (links)

DGUV Test Mark Customer Information

http://www.dguv.de/medien/dguv-test-medien/_pdf_zip_doc_ppt/agb-und-pzo/dguv_test_zeichen_infoblatt_kunden.pdf