



180793

M22-FK01SMC10

Overview

Specifications

Resources



Delivery program

Technical data

Design verification as
per IEC/EN 61439

Technical data ETIM 7.0

Approvals

Dimensions

DELIVERY PROGRAM

Basic function accessories
Self-monitoring contact elements

Description
The NO is actuated when mounted on the pushbutton.
Cage Clamp is a registered trademark of Wago Kontakttechnik GmbH/Minden, Germany

Connection technique
Cage Clamp, Push-in

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

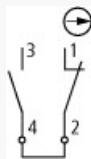
Maximum travel [mm]

5.8

Minimum force for positive opening [N]

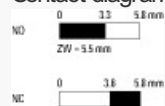
20

Contact sequence



Contact travel diagram, stroke in connection with front element

Contact diagram



Connection technique

Cage Clamp, Push-in

TECHNICAL DATA

General

Standards
IEC 60947-5-1

Lifespan, mechanical [Operations]
> 1 x 10⁶

Operating frequency [Operations/h]
□ 3600

Actuating force
□ 4.5 n

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
-25 - +70 °C

Ambient temperature
Storage
- 40 - + 85 °C

Mechanical shock resistance to IEC 60068-2-27
Shock duration 11 ms, half-sinusoidal
> 50 g

Terminal capacities
Solid
2 x 1 (0.2 - 1.5)
2 x 1 (0.75 - 1.5) Can be plugged without tools mm²

Terminal capacities
Flexible with ferrule
2 x 1 (0.25 - 1)
Use WAGO Variocrimp 4 crimping tool; please
enquire for others mm²

Terminal capacities
Solid or stranded
2 x 1 (24 - 16) AWG

Contacts

Rated impulse withstand voltage [U_{imp}]
4000 V AC

Rated insulation voltage [U_i]
250 V

Overvoltage category/pollution degree
III/3

Max. short-circuit protective device
Fuseless
FAZ-B4 Type

Max. short-circuit protective device
Fuse [gG/gL]
4 A

Switching capacity

Rated operational current [I_e]
AC-15
24 V [I_e]
4 A

Rated operational current [I_e]
AC-15
60 V [I_e]
4 A

Rated operational current [I_e]
AC-15
110 V [I_e]
2 A

Rated operational current [I_e]
AC-15
230 V [I_e]
1.5 A

Rated operational current [I_e]

DC-13
24 V [I_e]
1.5 A

Rated operational current [I_e]
DC-13
60 V [I_e]
0.8 A

Rated operational current [I_e]
DC-13
110 V [I_e]
0.4 A

Rated operational current [I_e]
DC-13
220 V [I_e]
0.2 A

Auxiliary contacts

Rated conditional short-circuit current [I_q]
1 kA

DESIGN VERIFICATION AS PER IEC/EN 61439

Operating ambient temperature min.
-25 °C

Operating ambient temperature max.
+70 °C

TECHNICAL DATA ETIM 7.0

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 (ec@ss10.0.1-27-37-13-02
[AKN342013])

Number of contacts as change-over contact

0

Number of contacts as normally open contact
1

Number of contacts as normally closed contact
1

Number of fault-signal switches
0

Rated operation current I_e at AC-15, 230 V
1.5 A

Type of electric connection
Spring clamp connection

Model
Top mounting

Mounting method
Front fastening

Lamp holder
None

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

