



216509

M22-DDL-GR-X1/X0/K11/230-W

Overview

Specifications

Resources



Delivery program

Technical data

Design verification as per IEC/EN 61439

Technical data ETIM 7.0

Approvals

Dimensions

DELIVERY PROGRAM

Product range
RMQ-Titan

Basic function
Double actuators

Mounting hole diameter [□]
22.5 mm

Single unit/Complete unit
Complete unit

Design
Actuators and indicator lights non-flush

momentary

Connection type
Screw connection

Description
White lens
LED element
85 - 264 V AC

Button plate

button plate
green, red

Button plate



inscribed

Degree of Protection
IP66

Front ring
Bezel: titanium

Connection to SmartWire-DT
no

Contacts

N/C = Normally closed
1 NC

N/O = Normally open
1 NO

Notes

= safety function, by positive opening to IEC/EN
60947-5-1

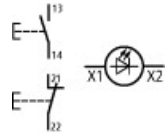
Actuator travel and actuation force as per DIN EN 60947-5-1, K.5.4.1

[mm]
4.8

Maximum travel [mm]
5.7

Minimum force for positive opening [N]
15

Contact sequence



TECHNICAL DATA

General

Standards
IEC/EN 60947
VDE 0660

Lifespan, mechanical [Operations]
> 1 x 10⁶

Operating frequency [Operations/h]
 1800

Actuating force
 5 n

Climatic proofing
Damp heat, constant, to IEC 60068-2-78
Damp heat, cyclic, to IEC 60068-2-30

Degree of Protection
IP66

Ambient temperature
Open
-25 - +70 °C

Mounting position
As required

Mechanical shock resistance
30
Shock duration 11 ms
Sinusoidal
according to IEC 60068-2-27 g

shipping classification
DNV
GL
LR



Contacts

Rated conditional short-circuit current [I_k]
1 kA

DESIGN VERIFICATION AS PER IEC/EN 61439

Technical data for design verification

Rated operational current for specified heat
dissipation [I_n]
6 A

Heat dissipation per pole, current-dependent [P_{vid}]
0.11 W

Equipment heat dissipation, current-dependent
[P_{vid}]
0 W

Static heat dissipation, non-current-dependent [P_{vs}]
1 W

Heat dissipation capacity [P_{diss}]
0 W

Operating ambient temperature min.
-25 °C

Operating ambient temperature max.
+70 °C

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 Strength of materials and parts
10.2.3.1 Verification of thermal stability of enclosures
Meets the product standard's requirements.

10.2 Strength of materials and parts
10.2.3.2 Verification of resistance of insulating materials to normal heat
Meets the product standard's requirements.

10.2 Strength of materials and parts
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 Strength of materials and parts
10.2.4 Resistance to ultra-violet (UV) radiation
Please enquire

10.2 Strength of materials and parts
10.2.5 Lifting
Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts
10.2.6 Mechanical impact
Does not apply, since the entire switchgear needs to be evaluated.

10.2 Strength of materials and parts
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 Insulation properties
10.9.3 Impulse withstand voltage
Is the panel builder's responsibility.

10.9 Insulation properties
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.

TECHNICAL DATA ETIM 7.0

Low-voltage industrial components (EG000017) / Push button, complete (EC001028)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Push-button actuator, complete unit (ecl@ss10.0.1-27-37-12-28 [AKF046014])

Number of command positions

2

Type of button

Flat

Colour button

Red/green

Construction type lens

Round

Hole diameter

22 mm

Width opening

0 mm

Height opening

0 mm

Suitable for illumination

Yes

Switching function latching

No

Spring-return

Yes

Supply voltage lamp
230 V

Number of contacts as normally open contact
1

Number of contacts as normally closed contact
1

Number of contacts as change-over contact
0

Type of electric connection
Screw connection

With front ring
Yes

Material front ring
Plastic

Colour front ring
Chrome

Degree of protection (IP)
IP66

Degree of protection (NEMA)
4X

APPROVALS

Product Standards
IEC/EN 60947-5; UL 508; CSA-C22.2 Nb. 14-05;
CSA-C22.2 Nb. 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 3R, 4X, 12, 13

DIMENSIONS





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