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Powering Business Worldwide

M22-XLED220 - Series element, 220V DC, for LED 12-30V



271541 M22-XLED220

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## 271541 M22-XLED220

Series element, 220V DC, for LED 12-30V

Alternate Catalog No.

M22-XLED220Q

EL-Nummer (Norway)

4355798

The front elements get their shine with the RMQ-Titan LED light elements!

- Delivery program
- Technical data
- Design verification as per IEC/EN 61439
- Technical data ETIM 7.0
- Approvals
- Dimensions

### Delivery program

Basic function accessories  
LED elements  
Function  
for connecting 12 - 30 V LED elements  
Description  
LED resistor  
Connection technique  
Screw terminals  
Rated operational voltage [ $U_b$ ]  
220 V AC/DC V  
Degree of Protection  
IP20  
Connection to SmartWire-DT  
no  
Approval



Connection technique  
Screw terminals

**Notes**

maximum ambient air temperature: -25 °C to +55 °C

The LED brightness is reduced.

#### Notes

For pushbutton actuators, indicator lights, illuminated pushbuttons and illuminated selector switch actuators, the following applies:

M22...-R only in combination with M22-LED...-R

M22...-G only in combination with M22-LED...-G

M22...-W only in combination with M22-LED...-W

M22...-Y only in combination with M22-LED...-W

M22...-B in combination with M22-LED...-W or M22-LED...-B

## Technical data

General

Degree of Protection

IP20

Ambient temperatureOpen

-25 - +55 °C

Ambient temperatureStorage

- 40 - + 80 °C

Notes

#### Notes

> 200 V AC/60 Hz: -25/+55 °C

## Design verification as per IEC/EN 61439

Technical data for design verification

Rated operational current for specified heat dissipation [ $I_r$ ]

0 A

Heat dissipation per pole, current-dependent [ $P_{id}$ ]

0 W

Equipment heat dissipation, current-dependent [ $P_{id}$ ]

0 W

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

0.8 W

Heat dissipation capacity [ $P_{diss}$ ]

0 W

Operating ambient temperature min.

-25 °C

Operating ambient temperature max.

+55 °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

Meets the product standard's requirements.

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) / Accessories for control circuit devices (EC000204)

Type of electrical accessory

Resistor block

Type of mechanical accessory

Other

## 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

Pushbutton with M22-(C)K...

Pushbutton with M22-(C) LED... + M22-XLED...

## CAD data

- [Product-specific CAD data](#)  
(Web)
- [3D Preview](#)  
(Web)

## DWG files

- [DA-CD-vorschaltelement](#)  
File  
(Web)

## edz files

- [DA-CE-ETN.M22-XLED220](#)  
File  
(Web)

## Step files

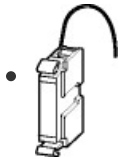
- [DA-CS-vorschaltelement](#)  
File  
(Web)

## Standards



116Z024  
Logo  
LED logo

## 3D drawing



116I326  
Line drawing  
LED series (resistor) element

## Product photo



1160PIC-72  
Photo  
LED series (resistor) element

## Instruction Leaflet

- [Series element RMQ-Titan \(IL04716009Z\)](#)  
Asset  
(PDF, multilingual)

## Declaration of Conformity

### EU

- [E-stop operating devices RMQ Titan & acc. M22/M30\(S\)-PV\(LT\)30...](#) (DA-DC-00003323)  
Asset  
(PDF)
- [Emergency-stop operating devices RMQ Titan & accessories M22-..., M30-...](#) (DA-DC-00003622)  
Asset  
(PDF)
- [RMQ Titan \(Operating and signalling devices\) M22.../M30.../C22.../C30...](#) (DA-DC-00003657)  
Asset  
(PDF)

### UK

- [RMQ Titan \(Operating and signalling devices\) M22.../M30.../C22.../C30...](#) (DA-DC-00003960)  
Asset  
(PDF)

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