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Worldwide English



M22-FLED-R - LED element, Flat Rear, red, front mounting



180798 M22-FLED-R

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180798 M22-FLED-R

LED element, Flat Rear, red, front mounting

Alternate Catalog No.

EL-Nummer (Norway)

M22-FLED-R

4315749

LED element, Fixing: Front fixing, Connection technique: Cage Clamp, Description: Cage Clamp is a registered trademark of Wago Kontakttechnik GmbH/Minden, Germany, Rated operational voltage: $U_e = 12 - 30 \text{ V AC/DC}$, 50/60 Hz (Standard 24 V AC/DC) V, Rated operational current: $I_e = 5 - 15 \text{ mA}$, Power consumption: $P_{\max} = 0.26 \text{ W}$, at 24 V, Degree of Protection: IP20, Connection to SmartWire-DT: no, Standards: IEC 60947-5-1

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Delivery program

Basic function accessories

LED elements

Description

Cage Clamp is a registered trademark of Wago Kontakttechnik GmbH/Minden, Germany

Connection technique

Cage Clamp, Push-in

Fixing

Front fixing

Rated operational voltage [U_e]

12 - 30 V AC/DC, 50/60 Hz (Standard 24 V AC/DC) V

Rated operational current [I_e]

5 - 15 mA

Power consumption [$P_{\max}$]

0.26 W

Lifespan to EN 60064 at $t_a = +25^\circ\text{C}$ [t_{mean} (AC)]

100000 h

Degree of Protection

IP20

at 24 V

Colour

Red



Connection to SmartWire-DT

no

Approval



Connection technique

Cage Clamp, Push-in

Notes

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

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

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

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

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

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

Technical data

General

Standards

IEC 60947-5-1

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 temperatureOpen

-25 - +70 °C

Ambient temperatureStorage

- 40 - + 85 °C

Mounting position

As required

Mechanical shock resistance according to IEC 60068-2-27

Shock duration 11 ms, half-sinusoidal

> 50 g

Terminal capacitiesSolid

1 x 1 (0.2 - 1.5)

1 x 1 (0.75 - 1.5) Can be plugged without tools mm²

Terminal capacitiesStranded

1 x 1 (0.2 - 1.5) mm²

Terminal capacitiesFlexible with ferrule

1 x 1 (0.25 - 1)

Use WAGO Variocrimp 4 crimping tool; please enquire for others mm²

Terminal capacitiesSolid or stranded

20 AWG

Contacts

Rated impulse withstand voltage [U_{imp}]

4000 V AC

Rated insulation voltage [U]

250 V

Overvoltage category/pollution degree

III/3

Indoor and protected outdoor installation

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) / Lamp holder block for control circuit devices (EC000204)
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Bulb socket block for command and alarm devices (ecl@ss10.0.1-27-37-12-09 [AKF027014])

Transformer integrated

No

With integrated voltage decreasing resistor

No

With light source

Yes

With integrated diode

Yes

Lamp holder

None

Rated voltage U_e at AC 50 Hz

12 - 30 V

Rated voltage U_e at AC 60 Hz

12 - 30 V

Rated voltage U_e at DC

12 - 30 V

Voltage type for actuating

AC/DC

Lamp type

LED

Connection type auxiliary circuit

Spring clamp connection

Colour lamp

Red

Type of fastening

Front fastening

Approvals

Product Standards

IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CSA-C22.2 No. 94-91; OE marking

UL File No.

E29184

UL Category Control No.

NKCR

CSA File No.

012528

CSA Class No.

3211-03

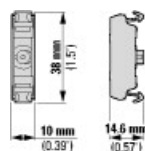
North America Certification

UL listed, CSA certified

Degree of Protection

UL/CSA Type: -

Dimensions



CAD data

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

DWG files

- [DA-CD-m22_fled_r](#)
File
(Web)

edz files

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

Step files

- [DA-CS-m22_fled_r](#)
File
(Web)

Product photo

- 
[1160PIC-1835](#)
Photo
LED contact element, flat rear

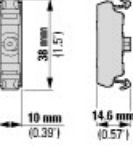
Symbol

- 
[1160061](#)
Graphic
Button plate, red

3D drawing

- 
[1160DRW-365](#)
Line drawing

Dimensions single product

- 
[1160DIM-121](#)
Line drawing
LED contact element, flat rear

Instruction Leaflet

- [RMQ-Titan System\(IL04716002Z\)](#)
Asset
former AWA1160-1745, IL04716001E
(PDF, 09/2020, multilingual)

Standards

- [000Z330](#)
Logo
LED logo



- [116Z024](#)
Logo
LED logo

Declaration of Conformity

EU

- [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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