Powering Business Worldwide

M22-CLEDC230-G - LED element, green, base fixing, cage clamp

216580 M22-CLEDC230-G

Overview Specifications Resources

216580 M22-CLEDC230-G

LED element, green, base fixing, cage clamp

Alternate Catalog No.	M22-CLEDC230-GQ
EL-Nummer (Norway)	4355786

LED element, Fixing: Base fixing, Connection technique: Cage Clamp, Description: Cage Clamp is a registered trademark of Wago Kontakttechnik GmbH/Minden, Germany, Rated operational voltage: Ue= 85 - 264 V AC, 50/60 Hz V, Rated operational current: Ie= 5 - 15 mA, Power consumption: Pmax.= 0.33 W, At 230 V, Degree of Protection: IP20, Connection to SmartWire-DT: no, Standards: IEC 60947-5-1

- 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
Description
Cage Clamp is a registered trademark of Wago Kontakttechnik GmbH/Minden, Germany
Connection technique
Cage Clamp
Fixing
Base fixing
Rated operational voltage [U_e]
85 - 264 V AC, 50/60 Hz V
Rated operational current [I_e]
5 - 15 mA
Power consumption [$P_{max.}$]
0.33 W
Lifespan to EN 60064 at t_a = +25 °C [t_{mean} (AC)]
100000 h
Degree of Protection
IP20
At 230 V
Colour
green

Connection to SmartWire-DT
no
Approval

Connection technique
Cage Clamp
Notes
For indicator lights, illuminated pushbutton actuators, 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
Standards
IEC 60947-5-1
Operating torque (screw terminals)
 0.8 Nm
Degree of Protection
IP20
Climatic proofing
Damp heat, constant, to IEC 60068-2-78
Damp heat, cyclic, to IEC 60068-2-30
Ambient temperatureOpen
-25 - +70 °C
Ambient temperatureStorage
- 40 - + 80 °C
Mounting position
As required
Mechanical shock resistance according to IEC 60068-2-27

Shock duration 11 ms, half-sinusoidal

> 30 g
Mechanical shock resistance
30
Shock duration 11 ms
Sinusoidal
according to IEC 60068-2-27 g
Terminal capacitiesSolid
0.75 - 2.5 mm^2
Terminal capacitiesStranded
0.5 - 2.5 mm^2
Contacts
Rated impulse withstand voltage [U_{imp}]
6000 V AC
Rated insulation voltage [U_i]
500 V
Overvoltage category/pollution degree
III/3
Indoor and protected outdoor installation

Design verification as per IEC/EN 61439

Technical data for design verification

Rated operational current for specified heat dissipation [I_n]
0 A
Heat dissipation per pole, current-dependent [P_{vid}]
0 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 parts10.2.2 Corrosion resistance
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.1 Verification of thermal stability of enclosures
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.2 Verification of resistance of insulating materials to normal heat
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.3.3 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 parts10.2.4 Resistance to ultra-violet (UV) radiation
Meets the product standard's requirements.
10.2 Strength of materials and parts10.2.5 Lifting
Does not apply, since the entire switchgear needs to be evaluated.
10.2 Strength of materials and parts10.2.6 Mechanical impact
Does not apply, since the entire switchgear needs to be evaluated.
10.2 Strength of materials and parts10.2.7 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 properties10.9.2 Power-frequency electric strength
Is the panel builder's responsibility.
10.9 Insulation properties10.9.3 Impulse withstand voltage
Is the panel builder's responsibility.
10.9 Insulation properties10.9.4 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) / 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 Ue at AC 50 Hz
85 - 264 V
Rated voltage Ue at AC 60 Hz
85 - 264 V
Rated voltage Ue at DC
0 - 0 V
Voltage type for actuating
AC
Lamp type
LED
Connection type auxiliary circuit
Spring clamp connection
Colour lamp
Green
Type of fastening
Floor 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

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-led_element_cage_boden
  File
  (Web)

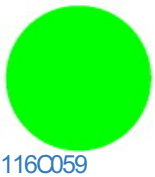
edz files

- DA-CE-ETN.M22-CLEDC230-G
  File
  (Web)

Step files

- DA-CS-led_element_cage_boden
  File
  (Web)

Symbol

- 
  116C059
  Graphic
  Button plate, green

3D drawing

- 
  116I303
  Line drawing
  LED element

Product photo

- 
  1160PIC-1645
  Photo

Standards

- 000Z330
  Logo
  LED logo
- 116Z024
  Logo
  LED logo

Instruction Leaflet

- RMQ-Titan System (IL04716002Z)
  Asset
  former AWA1160-1745, IL04716001E
  (PDF, 09/2020, 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)

Download-Center

- Download-Center (this item)
  Eaton EMEA Download-Center - download data for this item
- Download-Center
  Eaton EMEA Download-Center

Generate data sheet in PDF format

Generate data sheet in Excel format

Write a comment