## DATASHEET - M22-CLEDC230-B

Light element, LED, blue, base fixing, 85-264VAC, spring clamp connection



Part no.	M22-CLEDC230-B 218064
EL Number (Norway)	4355787

## **General specifications**

Point nume  Each Materiol Statute D2 Accessory LED    Pirst no.  M22 CLED 220 + 3    Ford c. torght Digpt  M22 CLED 220 + 3    Podact torght Digpt  M33 millinetse    Podact torght Digpt  M33 millinetse    Podact torght Digpt  M34 Sch M24 + 5    Podact Tordonam  M34 Sch M34 + 5    Podact Tordon	General specifications	
FAN  4050210045    Predict Length/Duph  30 millineare    Predict Wolfs  30 millineare    Predict Wolfs  00 likingram    Predict Trademane  00 likingram    Predict Information  00 likingram	Product name	Eaton Moeller® series M22 Accessory LED
Product length  39 millimetre    Product length  39 millimetre    Product length  30 millimetre    Product veligh  00 klogram    Emflexions  UL file No. 1281 AG    Emflexions  UL file No. 1281 AG    Product Veligh  00 klogram    Emflexions  UL file No. 1281 AG    Product Tadefeame  M22    Product Tadefeame  M24    Product Tadefeame <td>Part no.</td> <td>M22-CLED C230-B</td>	Part no.	M22-CLED C230-B
Product height  Smillimetre    Product Wolfs  0    Poduct Wolfs  0    Poduct weight  0    Cathlesians  UR File No.: E2014    Editionalis  Editionalis    Product Trademann  Editionalis    File  Editionalis    Editionalis  Editionalis	EAN	4015082180645
Preduct width    Is mainmate      Preduct weight    D01 klogram      Confications    UL klogram      Preduct Weight    Confications      Preduct Tradintame    MEDICAR Source 2010      Preduct Sub Type    Accessory      Config Yens    Config Yens      Config Yens    EEG      Config Yens    EEG <td< td=""><td>Product Length/Depth</td><td>39 millimetre</td></td<>	Product Length/Depth	39 millimetre
Product weight  001 liloyam    Certifications  UL File Vol. 252 194 1    UL File Vol. 252 194 1  UL File Vol. 252 194 1    UL Cracey Control Not. NUCE  Science Anti-271 - 93    Science Anti-271 - 93  Science Anti-271 - 93    Product Tadomame  Product Tadomame    Filed visits:  Product Tadomame    Ligt calor  Baue    Calor  Product Tadomame    Product Tadomame  Product Tadomame    Degree of protection  100.001 hi 125°C, according to EN600641    Operenting tromp  100.001 hi 125°C, according to EN600641    Operanting tromp  100.001 hi 125°C, according to EUC MO08-27.0 Sinusoidal alock	Product height	39 millimetre
Certifications    Curries for the formation of t	Product width	10 millimetre
Product Tradename    Image: Conservation of the second se	Product weight	0.01 kilogram
Product Type    Accessory      Product Sub Type    EB      Catalog Notes    Eage Clamp is a registered trademark of Wago Kontakttechnik GmbH/Minden, GmbH		UL IEC/EN 60947-5 CSA Class No.: 3211-03 UL 508 UL Category Control No.: NKCR CSA File No.: 012528 CSA-C22.2 No. 14-05 CSA-C22.2 No. 94-91 CSA CE IEC 60947-5-1
Product Sub Type    ED      Catalog Notes    Cage Clamp is a registered trademark of Wago Kontakttechnik GambH/Minden, Gammark      Fetures & Functions    Dode      Fitted with:    Dode      Light color    Dode      General information    Dode      Degree of protection    Dode      Lifespan, olectrical    Dode      Operating torque    Dodo N (at 25°C, according to EN60064)      Operating torque    Dodo N (at 25°C, according to EN60064)      Operating torque    B Nm      Obvervoltage category    HI      Pollution degree    B Nm      Rated implues withstand voltage (Uimp)    B Nm      Voltage type    AC      Mounting position    Song Amehanical According to EIC/EN 60068-2-27, Sinusoidal shock 11 ms      Mounting position    Song Amehanical According to EIC/EN 60068-2-27, Sinusoidal shock 11 ms      Ambient operating temperature - min    A or °C      Ambient operating temperature - min	Product Tradename	M22
Catalog Nores    Cage Clamp is a registered trademark of Wago Kontakttechnik GmbH/Minden, Germany      Features & Functions    Dide Light color      Fitted with:    Dide      Light color    Blue      General information    P20      Degree of protection    100000 h (at 25°C, according to EN60064)      Operating torque    00000 h (at 25°C, according to EN60064)      Operating torque    00000 h (at 25°C, according to EN60064)      Operating torque    0000 V AC      Overvoltage category    III      Pellution degree    3      Rated impulse withstand voltage (Uimp)    6000 V AC      Voltage type    According to EC/EN 60068-2:27, Sinusoidal shock 11 ms      Mounting position    Sing K resistance      Sing K resistance    30 g, Mechanical, According to EC/EN 60068-2:27, Sinusoidal shock 11 ms      Ambient conditions, mechanical    90 g, Mechanical, According to EC/EN 60068-2:27, Sinusoidal shock 11 ms      Ambient toperating temperature - max    70 °C      Ambient storage temperature - max    70 °C      Ambient storage temperature - max    80 °C      Climatic proofing    00 °C      Climatic proofing    00 °C      Terminal capaciti(stranded) <td></td> <td>Accessory</td>		Accessory
Fedure  Germany    Fatted with:  Fitted with:    Light color  Blue    Concret information  Blue    Degree of protaction  Formany    Retat impulse withstand voitage (Uimp)  Formany    Ottage type  Formany    Mounting position  Formany    Shock resistance  Formany    Ambient operating temperature - max  Formany    Ambient operating temperature - max  Formany		
Fitted with:  Diode Light source    Light color  Blue    General information  P20    Degree of protection  P20    Lifespan, electrical  00,000 h (at 25°C, according to EN80064)    Operating torque  00,000 h (at 25°C, according to EN80064)    Overvoltage category  III    Pollution degree  0    Rated impulse withstand voltage (Uimp)  6000 V AC    Voltage type  AC    Ambient conditions, mechanical  6000 V AC    Mounting position  As required    Shock resistance  30 g. Mechanical, According to EC/EN 60088-2-27, Sinusoidal shock 11 ms    Ambient operating temperature - min  25°C    Ambient storage temperature - min  0°C    Climatic proofing  0°C    Climatic proofing  0°C    Terminal capacities  0°C    Terminal capacities  0°C    Terminal capacities  0°C > 25 mm²	Catalog Notes	
Light color  Light source    Light color  Blue    General information  P20    Degree of protection  100,000 h (at 25°C, according to EN60064)    Lifespan, electrical  00,000 h (at 25°C, according to EN60064)    Operating torque  00,000 h (at 25°C, according to EN60064)    Overvoltage category  II    Pollucion degree  0000 V AC    Rated impulse withstand voltage (Uimp)  6000 V AC    Voltage type  AC    Mounting position  Arequired    Shock resistance  0, Mechanical, According to IEC/EN 6008-2-27, Sinusoidal shock 11 ms    Mounting position  25 °C    Ambient operating temperature - min  0 °C    Ambient storage temperature - max  0 °C    Climatic profing  0 °C    Terminal capaciti(solid)  0 °C + 27.8 ma <sup>2</sup> Terminal capacity (solid)  0 °C + 27.8 ma <sup>2</sup>	Features & Functions	
General information    Page of protection      Degree of protection    P20      Lifespan, electrical    00,000 h (at 25°C, according to EN60064)      Operating torque    0,8 N·m      Overvoltage category    III      Pollution degree    3      Rated impulse withstand voltage (Uimp)    6000 V AC      Voltage type    AC      Mounting position    Ac      Shock resistance    30, Mechanical, According to IEC/EN 60068-2:27, Sinusoidal shock 11 ms      Mounting position    25 °C      Ambient operating temperature - min    25 °C      Anbient storage temperature - min    40 °C      Ambient storage temperature - max    90 °C      Climatic proofing    90 °C      Terminal capacitiy (solid)    075 - 25 ma <sup>2</sup> Terminal capacity (solid)    075 - 25 ma <sup>2</sup>	Fitted with:	
Degree of protection    IP20      Degree of protection    100.000 h (at 25°C, according to EN60064)      Operating torque    0.8 N·m      Overvoltage category    111      Pollution degree    3      Rated inpulse withstand voltage (Uimp)    6000 V AC      Voltage type    AC      Ambient conditions, mechanical    AC      Mounting position    As required      Shock resistance    30 g. Mechanical. According to IEC/EN 60068-2-27. Sinusoidal shock 11 ms      Mohient operating temperature - min    -25 °C      Ambient operating temperature - min    -25 °C      Ambient storage temperature - min    40 °C      Ambient storage temperature - max    600 °C      Climatic profing    00 °C      Terminal capaciti(solid)    Damp heat, constant, to IEC 60068-2-30      Terminal capaciti(solid)    C15 - 25 mm²      Terminal capacity (solid)    C15 - 25 mm²	Light color	Blue
Lifespan, electrical    100,000 h (dt 25°C, according to EN60064)      Operating torque    08 Nm      Overvoltage category    III      Pollution degree    3      Rated inpulse withstand voltage (Uimp)    6000 V AC      Voltage type    AC      Ambient conditions, mechanical    AC      Mounting position    5000 V AC      Shock resistance    30 g, Mechanical, According to IEC/EN 60088-2-27, Sinusoidal shock 11 ms      Molent operating temperature - min    70 °C      Ambient storage temperature - min    70 °C      Ambient storage temperature - min    40 °C      Ambient storage temperature - max    6000 °C      Climatic profing    70 °C      Terminal capacity (solid)    75 - 25 ma <sup>3</sup> Terminal capacity (solid)    60058-2-30	General information	
Operating torque      0.8 k·m        Overvoltage category      III        Pollution degree      3        Rated impulse withstand voltage (Uimp)      6000 V AC        Voltage type      AC        Ambient conditions, mechanical      Mounting position        Shock resistance      30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms        Climatic environmental conditions      45666        Ambient operating temperature - min      40 °C        Ambient storage temperature - max      70 °C        Ambient storage temperature - max      80 °C        Climatic profing      90 °C        Terminal capacity(soid)      75 - 25 ma <sup>2</sup> ferminal capacity(soid)      0.5 - 25 ma <sup>2</sup>	Degree of protection	IP20
Overvoltage category      III        Pollution degree      3        Rated inpulse withstand voltage (Uimp)      6000 V AC        Voltage type      6000 V AC        Ambient conditions, mechanical      AC        Mounting position      As required        Shock resistance      30 g, Mechanical, According to IEC/EN 60088-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60088-2-27, Sinusoidal shock 11 ms        Ambient operating temperature - min      30 g, Mechanical, According to IEC/EN 60088-2-27        Ambient operating temperature - min      70 °C        Ambient storage temperature - min      40 °C        Ambient storage temperature - min      60 °C        Itimatic proofing      20 °C        Climatic proofing      80 °C        Damp heat, constant, to IEC 60088-2-30      20 mc        Terminal capacities      20 °C        Terminal capacities      0 °C        Terminal capacities      0 °C        Terminal capacity (solid)      75 °L St mm²        Terminal capacity (solid)      0 °C > 2.5 m²	Lifespan, electrical	100,000 h (at 25°C, according to EN60064)
Pollution degree    3      Rated impulse withstand voltage (Uimp)    6000 V AC      Voltage type    6000 V AC      Ambient conditions, mechanical    6000 V AC      Mounting position    6000 V AC      Shock resistance    30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms      Ambient conditions    8000 V AC      Ambient persture - min    8000 V AC      Ambient operating temperature - min    6000 V AC      Ambient storage temperature - max    70 °C      Ambient storage temperature - max    80 °C      Climatic proofing    80 °C      Terminal capacities    70 °C - 25 °C      Terminal capacities    80 °C      Terminal capacities    80 °C      Terminal capacities    50 °C - 25 °C      Terminal capacities    50 °C - 25 °C	Operating torque	0.8 N·m
Rated impulse withstand voltage (Uimp)    6000 V AC      Voltage type    AC      Ambient conditions, mechanical    AC      Mounting position    As required      Shock resistance    30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms      Climatic environmental conditions	Overvoltage category	III III III III III III III III III II
Votage type      Ac        Ambient conditions, mechanical      Ac        Mounting position      As required        Shock resistance      30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms        Climatic environmental conditions      30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms        Ambient operating temperature - min      -25 °C        Ambient storage temperature - max      70 °C        Ambient storage temperature - max      60 °C        Climatic proofing      30 °C        Terminal capacities      -25 °L        Terminal capacity (solid)      0°C        Terminal capacity (solid)      0°C        Terminal capacity (stranded)      60 °C	Pollution degree	3
Ambient conditions, mechanical    Figs    As required      Mounting position    So ck resistance    So g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27      Shock resistance    So g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms Mechanical, According to IEC/EN 60068-2-27      Climatic environmental conditions    Figs    -25 °C      Ambient operating temperature - man    70 °C    70 °C      Ambient storage temperature - min    40 °C    40 °C      Ambient storage temperature - max    80 °C    30 °C      Climatic proofing    So °C    30 °C      Terminal capacities    Figs    57 °L C 60068-2-30      Terminal capacity (solid)    C.75 - 25 ma²    C.75 - 25 ma²	Rated impulse withstand voltage (Uimp)	6000 V AC
Mounting position    As required      Mounting position    30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms      Shock resistance    30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms      Climatic environmental conditions    -25 °C      Ambient operating temperature - max    -25 °C      Ambient storage temperature - min    40 °C      Ambient storage temperature - max    80 °C      Climatic proofing    Damp heat, constant, to IEC 60068-2-38      Terminal capacity (solid)    .75 · 25 ma <sup>2</sup>	Voltage type	AC
Shock resistance    30 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms      Climatic environmental conditions	Ambient conditions, mechanical	
Climatic environmental conditions    Mechanical, According to IEC/EN 60068-2-27      Ambient operating temperature - min    -25 °C      Ambient operating temperature - max    70 °C      Ambient storage temperature - min    40 °C      Ambient storage temperature - max    60 °C      Imatic proofing    80 °C      Terminal capacities    0 °C      Terminal capacity (solid)    75 °C - 25 ma²      Terminal capacity (stranded)    60 °C	Mounting position	As required
Ambient operating temperature - min    -25 °C      Ambient operating temperature - max    70 °C      Ambient storage temperature - min    40 °C      Ambient storage temperature - max    60 °C      Climatic proofing    80 °C      Terminal capacities    50 °C      Terminal capacity (solid)    60 °C      Terminal capacity (stranded)    60 °C      Strand    70 °C </td <td>Shock resistance</td> <td></td>	Shock resistance	
Ambient operating temperature - max    70 °C      Ambient storage temperature - min    60 °C      Ambient storage temperature - max    60 °C      Climatic proofing    80 °C      Terminal capacities    20 °C      Terminal capacity (solid)    60 °C      Terminal capacity (solid)    60 °C      Terminal capacity (stranded)    60 °C      Strand Capacity (stranded)    60 °C	Climatic environmental conditions	
Ambient storage temperature - min  40 °C    Ambient storage temperature - max  60 °C    Climatic proofing  Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-78    Terminal capacities	Ambient operating temperature - min	-25 °C
Ambient storage temperature - max  Mo °C    Climatic proofing  Ban °C    Terminal capacities  Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30    Terminal capacity (solid)  Mo °C    Terminal capacity (stranded)  Mo °C    Iterminal capacity (stranded)  Iterminal capacity (stranded)	Ambient operating temperature - max	70 °C
Climatic proofing  Image: Climatic proofing    Terminal capacities  Image: Climatic proofing    Terminal capacity (solid)  Image: Climatic proofing    Terminal capacity (solid)  Image: Climatic proofing    Terminal capacity (stranded)  Image: Climatic proofing	Ambient storage temperature - min	40 °C
Terminal capacities  Mathematicapacities    Terminal capacity (solid)  Mathematicapacity (stranded)    Terminal capacity (stranded)  Mathematicapacity (stranded)	Ambient storage temperature - max	80 °C
Terminal capacity (solid)  0.75 - 2.5 mm²    Terminal capacity (stranded)  0.5 - 2.5 mm²	Climatic proofing	
Terminal capacity (stranded) 0.5 - 2.5 mm <sup>2</sup>	Terminal capacities	
	Terminal capacity (solid)	0.75 - 2.5 mm <sup>2</sup>
Electrical rating	Terminal capacity (stranded)	0.5 - 2.5 mm <sup>2</sup>
	Electrical rating	

Power consumption	Max. 0.33 W
Rated insulation voltage (Ui)	500 V
Rated operational current (le) - min	5 mA
Rated operational current (le) - max	15 mA
Rated operational voltage (Ue) at AC - max	264 V
Rated operational voltage (Ue) at AC - min	85 V
	0 V
Rated operational voltage (Ue) at DC - max	
Rated operational voltage (Ue) at DC - min	0 V
Communication	
Connection to SmartWire-DT	No
Connection type	Base fixing
Contacts	
Force for positive opening - min	0 N
Design verification	
Equipment heat dissipation, current-dependent Pvid	0 W
Heat dissipation capacity Pdiss	0 W
Heat dissipation per pole, current-dependent Pvid	0 W
Rated operational current for specified heat dissipation (In)	0 A
Static heat dissipation, non-current-dependent Pvs	1 W
10.2.2 Corrosion resistance	Meets the product standard's requirements.
10.2.3.1 Verification of thermal stability of enclosures	Meets the product standard's requirements.
10.2.3.2 Verification of resistance of insulating materials to normal heat	Meets the product standard's requirements.
10.2.3.3 Resist. of insul. mat. to abnormal heat/fire by internal elect. effects	Meets the product standard's requirements.
10.2.4 Resistance to ultra-violet (UV) radiation	Meets the product standard's requirements.
10.2.5 Lifting	Does not apply, since the entire switchgear needs to be evaluated.
10.2.6 Mechanical impact	Does not apply, since the entire switchgear needs to be evaluated.
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.
10.9.2 Power-frequency electric strength	Is the panel builder's responsibility.
10.9.3 Impulse withstand voltage	Is the panel builder's responsibility.
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 9.0**

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@ss13-27-37-12-09 [AKF027019])				
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	V	85 - 264		
Rated voltage Ue at AC 60 Hz	V	85 - 264		
Rated voltage Ue at DC	V	0 - 0		

Voltage type for actuating	AC
Lamp type	LED
Connection type auxiliary circuit	Spring clamp connection
Colour light source	Blue
Type of fastening	Floor fastening