## Illuminated pushbutton actuator, white, momentary, +filament lamp 24V



Part no. Q18LT-WS/WB 088561

Features & Functions  Bazal color Bezel material Design Fitted with: Inscription  General information  Degree of protection (front side) Degree of protection (front side) Lifespan, mechanical Opening diameter Opening diameter Opening diameter Opening diameter Opening diameter Opening diameter Operating frequency Overvoltage category III Product category Size Rated injudse withstand voltage (Uimp) Size Rated injudse withstand voltage (Uimp) Terminal size Terminal size  Ambient conditions, mechanical Mounting position Mounting position Mounting position Mounting position Mounting position Mounting position Shock resistance  Mechanical, According to IEC/EN 80088-2-27, Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Sinusoidal shock 11 ms  Mechanical, According to IEC/EN 80088-2-27, Sinusoidal shock 11 ms	General specifications	
Formulate Langht Victoria Product Swith Product Tealename Product Tradename Product Tradenam	Product name	Eaton Moeller® series RMQ16 Illuminated pushbutton actuator
Product Length/Cloph Product religit Product r	Part no.	Q18LT-WS/WB
Product Insight Product Worth Product Worth Product Worth Product Worth Certifications Certifica	EAN	4015080885610
Froduct width Froduct weight Cartifications Cartifi	Product Length/Depth	59 millimetre
Product resignit  Cartifications  ECCEN 00391-7.5 CSACAZE No. 1493-93 CSACAZE No. 1493-17-103 UL File No. 12931-94 UL Category Carron No. NACRI ECCEN 003947 CE CSA File No. 148552 CSA. CSA File No. 148552 CSA UL 508  Product Tredername  Product Type Product Type Product Type None RM015  Product Type None Rm015  Fact action Notes  Category Carron No. NACRI ECCEN 003947 Product Sub Type None Rm015  Product Type None Rm015  Product Type Product Sub Type None Rm016  Features  Black Bla	Product height	18 millimetre
Canalizations   Canalization	Product width	18 millimetre
CSA-C22 No. 14-05 CSA Issa No. 221 146 UL Fa. No. E2188 ISC NO DOCOTO No. NICCS ISC NO. 150	Product weight	0.009 kilogram
Product Type Product Sub Type Catalog Notes Catalog	Certifications	CSA-C22.2 No. 14-05 CSA Class No.: 3211-03 UL File No.: E29184 UL Category Control No.: NKCR IEC/EN 60947 CE UL CSA File No.: 46552 CSA
Product Sub Type Catalog Notes  Catalog Notes  Beat color Beat Color Bozol material Design Field with: Inscription  Canada of product Sub Type  Degree of protection (front side)  Lifespan, mechanical Departing frequency Operating frequency Size  Radd fimulias withstand voltage (Ulimp) Size  Radd fimulias withstand voltage (Ulimp) Subtable for Terminal size  Ambient conditions, mechanical Mounting position Shock resistance  Climatic environmental conditions  Ambient conditions  Size  Ambient conditions  Michanical, According to IEC/EN 80088-2-27, Sinusoidal shock 11 ms  Climatic environmental conditions  Ambient operating temperature - min  Muchanical, According to IEC/EN 80088-2-27, Sinusoidal shock 11 ms  Climatic environmental conditions  Ambient operating temperature - min	Product Tradename	RMQ16
Catalog Notes   Use of insulated ferrule ISH 2,8 > 24 V AC/DC recommended Use of insulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even or 120 V DC is mandatory, even on unusulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even or 120 V DC is mandatory.    First device Ish 2,8 > 50 V AC or 120 V DC ish 2,8 > 50 V AC	Product Type	Illuminated pushbutton actuator
Features & Functions  Bezel color  Bezel color  Bezel material  Design Fitted with: Inscription  Begree of protection  Degree of protection (front side)  De	Product Sub Type	None
Bazel color  Bezel material  Peszel material  Pessign Fitted with: Fitted with: Inscription  General information  Degree of protection (front side)  Lifespan, mechanical  Operating frequency Operating frequency Overvoltage category  Product category  Product category  Product category  RMD16  Size  Rated impulse withstand voltage (Uimp) Suitable for  Terminal size  Type  Ambient conditions, mechanical  Mounting position  Shock resistance  Mechanical, According to IEC/EN 80088-2-27, Sinusoidal shock 11 ms  Ambient centriormental conditions  Ambient operating tenepreture - min  Black  Plastic  Plastic	Catalog Notes	Use of insulated ferrule ISH 2,8 > 50 V AC or 120 V DC is mandatory, even on unused
Bazal material  Design Fitted with: Fitted with: Inscription  General information  Degree of protection  Degree of protection (front side)  Lifespan, mechanical  Opening diameter Opening diamet	Features & Functions	
Design Fitted with: Inscription  General information  Degree of protection  Degree of protection (front side)  Lifespan, mechanical  Opening diameter  Opening diameter  Opening diameter  Opening diameter  Opening diameter  Operating frequency  Ovarvoltage category  Product category  Product category  Product category  Rated impulse withstand voltage (Uimp)  Suitable for  Terminal size  Terminal size  Terminal size  Ambient conditions, mechanical  Mounting position  Shock resistance  Mounting position  Shock resistance  Ambient conditions  Ambient conditions  Ambient conditions  Ambient operating temperature - min  Page 125 °C  Billament bulb (24 V)  Filament bulb (24 V)  Fi	Bezel color	Black
Fitted with: Inscription  General information  Degree of protection  Degree of protection (front side)  Lifespan, mechanical  Dening diameter  Opening frequency  Overoltage category  Product category  Product category  Rated impulse withstand voltage (Uimp)  Size  Rated impulse withstand voltage (Uimp)  Terminal size  Terminal size  Terminal size  Ambient conditions, mechanical  Mounting position  Nour tong sition  Nour tong sition  Antient conditions, mechanical  Mounting position  Shock resistance  Ambient condritions  Antient operating temperature - min  Page of protection (Protection (Protection of Page 1)	Bezel material	Plastic
Inscription  General information  Degree of protection Degree of protection (front side) Degree of protectio	Design	Flat
Begree of protection Degree of protection Degree of protection (front side) Degree of protection (front side	Fitted with:	Filament bulb (24 V)
Degree of protection  Degree of protection (front side)  Degree of protection (front side)  Degree of protection (front side)  Lifespan, mechanical  Opening diameter  Openating frequency  Operating frequency  Overvoltage category  III  Pollution degree  Product category  RMQ16  Size  Rated impulse withstand voltage (Uimp)  Suitable for  Terminal size  Z 8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal  Type  Ambient conditions, mechanical  Mounting position  Shock resistance  Ambient operating temperature - min  PP65 NEMA 1  PP6 NEMA 1  PP65 NEMA 1  PP6 NEMA 1  REMA 1  3.000,000 Operations  BMQ0 Operations  BMQ16  SWAC  IIII  IIIII  As required  As required  Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms  Climatic environmental conditions  Ambient operating temperature - min  -25 °C	Inscription	Blank
NEMA 1  Degree of protection (front side)  Lifespan, mechanical  Opening diameter  Operating frequency  Overvoltage category  Pollution degree  Product category  RMQ16  Size  Front dimensions: 18 x 18 mm  Rated impulse withstand voltage (Uimp)  Suitable for  Terminal size  Terminal size  Ambient conditions, mechanical  Mounting position  As required  Mounting position  As required  Mechanical, According to IEC/EN 80068-2-27, Sinusoidal shock 11 ms  Climatic environmental conditions  Ambient operating temperature - min	General information	
Lifespan, mechanical 3,000,000 Operations  Opening diameter 16 mm  Operating frequency 3600 Operations/h  Overvoltage category III  Pollution degree 3  Product category RMQ16  Size Front dimensions: 18 x 18 mm  Rated impulse withstand voltage (Uimp) 800 V AC  Suitable for Illumination  Terminal size 28 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46247, Blade terminal  Type Illuminated pushbutton actuator  Ambient conditions, mechanical As required  Mounting position As required  Shock resistance Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms  Climatic environmental conditions  Ambient operating temperature - min 2,000 and 100	Degree of protection	
Operating frequency Operating frequency Overvoltage category III  Pollution degree 3 Product category RMM16 Size Front dimensions: 18 x 18 mm Rated impulse withstand voltage (Uimp) Suitable for Illumination Terminal size Z8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal Type Illuminated pushbutton actuator  Ambient conditions, mechanical Mounting position Shock resistance Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms  Climatic environmental conditions Ambient conditions Ambient conditions Ambient conditions  Climatic environmental conditions Ambient gemperature - min  15 mm 16 mm 1		NEMA 1
Operating frequency Overvoltage category III  Pollution degree 3  Product category RMQ16  Size Front dimensions: 18 x 18 mm  Rated impulse withstand voltage (Uimp) 800 V AC Suitable for Illumination Terminal size 2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal Illumination Type Ambient conditions, mechanical Mounting position Shock resistance Ambient conditions Shock resistance Ambient conditions Climatic environmental conditions Ambient generature - min  3600 Operations/h IIII  RMQ16  RMQ16  RMQ16  RMQ16  Front dimensions: 18 x 18 mm  800 V AC Illumination Illumination Illuminated Illuminated As 2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal Illuminated pushbutton actuator  As required As required Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms  Climatic environmental conditions Ambient operating temperature - min		
Overvoltage category  Pollution degree  3  RMQ16  RMQ16  Front dimensions: 18 x 18 mm  Rated impulse withstand voltage (Uimp)  Suitable for  Illumination  Terminal size  Z8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal  Type  Illuminated pushbutton actuator  Ambient conditions, mechanical  Mounting position  Shock resistance  Americal, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms  Climatic environmental conditions  Ambient operating temperature - min  Illuminated pushbutton actuator  As required  Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms		
Pollution degree Product category RMQ16 RRQ16 Front dimensions: 18 x 18 mm Rated impulse withstand voltage (Uimp) 800 V AC Suitable for Illumination Terminal size 2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal IType Illuminated pushbutton actuator  Ambient conditions, mechanical Mounting position Shock resistance Mechanical, According to IEC/EN 60068-2-27 40 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms  Climatic environmental conditions Ambient operating temperature - min -25 °C		
Product category  Size Front dimensions: 18 x 18 mm  800 V AC  Suitable for Illumination  Terminal size  Type Illuminated pushbutton actuator  Ambient conditions, mechanical  Mounting position Shock resistance  Ambient conditions Ambient conditions  Ambient conditions  Ambient conditions  Ambient conditions  Ambient conditions  Ambient conditions  As required  Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms  Climatic environmental conditions  Ambient operating temperature - min  Ambient operating temperature - min  RMQ16  Front dimensions: 18 x 18 mm  800 V AC  Illumination  2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal  Illuminated pushbutton actuator  As required  Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms  Climatic environmental conditions  -25 °C		
Front dimensions: 18 x 18 mm  Rated impulse withstand voltage (Uimp)  Suitable for  Illumination  Terminal size  2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal  Type  Illuminated pushbutton actuator  Ambient conditions, mechanical  Mounting position  Shock resistance  Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms  Climatic environmental conditions  Ambient operating temperature - min  Front dimensions: 18 x 18 mm  800 V AC  Illumination  2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal  Illuminated pushbutton actuator  As required  Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms  Climatic environmental conditions  Ambient operating temperature - min		
Rated impulse withstand voltage (Uimp)  Suitable for  Illumination  Za x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal  Type  Illuminated pushbutton actuator  Ambient conditions, mechanical  Mounting position  As required  Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms  Climatic environmental conditions  Ambient operating temperature - min  800 V AC  Illuminated  2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal  Illuminated pushbutton actuator  As required  Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms  -25 °C		
Suitable for  Terminal size  2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal  Illuminated pushbutton actuator  Ambient conditions, mechanical  Mounting position  Shock resistance  As required  Mechanical, According to IEC/EN 60068-2-27 40 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms  Climatic environmental conditions  Ambient operating temperature - min  Illumination  Illuminated pushbutton actuator  As required  As required  Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms  -25 °C		
Terminal size  2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal  Illuminated pushbutton actuator  Illuminated pushbutton actuator  As required  As required  Mechanical, According to IEC/EN 60068-2-27 40 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms  Climatic environmental conditions  Ambient operating temperature - min  2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46247 and IEC 60760, Fast-on connectors 2.8 x 0.8 mm to DIN 46244, Blade terminal Illuminated pushbutton actuator  As required  As required  4. Shock resistance		
Type  Ambient conditions, mechanical  Mounting position  Shock resistance  Climatic environmental conditions  Ambient operating temperature - min  2.8 x 0.8 mm to DIN 46244, Blade terminal  Illuminated pushbutton actuator  As required  Mechanical, According to IEC/EN 60068-2-27 40 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms  -25 °C		
Ambient conditions, mechanical  Mounting position  Shock resistance  Mechanical, According to IEC/EN 60068-2-27 40 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms  Climatic environmental conditions  Ambient operating temperature - min  -25 °C		2.8 x 0.8 mm to DIN 46244, Blade terminal
Mounting position  Shock resistance  Mechanical, According to IEC/EN 60068-2-27 40 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms  Climatic environmental conditions  Ambient operating temperature - min  -25 °C		illuminated pushbutton actuator
Shock resistance  Mechanical, According to IEC/EN 60068-2-27 40 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms  Climatic environmental conditions  Ambient operating temperature - min  -25 °C		
Climatic environmental conditions Ambient operating temperature - min  40 g, Mechanical, According to IEC/EN 60068-2-27, Sinusoidal shock 11 ms  -25 °C		
Ambient operating temperature - min -25 °C		
	Climatic environmental conditions	
Ambient operating temperature - max 60 °C	Ambient operating temperature - min	-25 °C
	Ambient operating temperature - max	60 °C

Ambient operating temperature (enclosed) - min	25 °C
Ambient operating temperature (enclosed) - max	40 °C
Climatic proofing	Damp heat, cyclic, to IEC 60068-2-30 Damp heat, constant, to IEC 60068-2-78
Electrical rating	
Rated insulation voltage (Ui)	250 V
Rated operational voltage (Ue) at AC - max	24 V
Actuator	
Actuating force	4 N
Actuator color	White
Actuator function	Spring-return Momentary
Contacts	
Control circuit reliability	1 failure per 10,000,000 switching operations (Statistically determined, at 24 V DC/5 mA) 1 failure per 5,000,000 switching operations (statistically determined, at 5 V DC/1 mA)
Communication	
Connection to SmartWire-DT	No
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	Please enquire
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) / Front element for push button (EC000221)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for push-button actuators (ecl@ss13-27-37-12-10 [AKF028019])

[ANTUZ8019])	
Colour button	White
Number of command positions	1
Construction type lens	Square

Hole diameter	mm	16
Width opening	mm	0
Height opening	mm	0
Type of button		Flat
Suitable for illumination		Yes
With protective cover		No
Labelled		No
Switching function latching		No
Spring-return		Yes
With front ring		No
Material front ring		Plastic
Colour front ring		Black
Degree of protection (IP), front side		IP65
Degree of protection (NEMA), front side		1