DATASHEET - Q18LF-RT/WB



Indicator light, flush, red, +filament lamp, 24 V

EATON Powering Business Worldwide^{*}

Part no.Q18LF-RT/WBCatalog No.088001Alternate CatalogQ18LF-RT-WBNo.No.

Delivery program			
Product range			RMQ16
Basic function			Indicator lights
Mounting hole diameter	Ø	mm	16
Single unit/Complete unit			Single unit
Design			Flat
Colour			
Lens			Red
Lens			
Degree of Protection			IP65
Connection to SmartWire-DT			no

Technical data

G	en	e	ral	

Bage of protection, IEC/EN 60529 Image of protection, IEC/EN 60529 PB5 Linkic proofing Damp heat, constant, to IEC 60068-2-30 Damp heat, coyclic, to IEC 60068-2-30 Ambient temperature - - Open 25 - 40 - Mounting position - - - Wounting position - - - - Mounting position -	General			
Dimension of the protection of the protec	Standards			IEC/EN 60947
Ambient temperature Damp heat, cyclic, to IEC 60068-2-30 Ambient temperature °C -55 -460 Open °C -25 -400 Mutuning position °C -25 -40 Mutuning position °C -26 -40 Mutuning position °C -26 -40 Mutuning position ~C -27 -50 Mutuning position ~C -20 -50 Mutuning position ~C -20 -50 Mutuning position -20 -5	Degree of protection, IEC/EN 60529			IP65
Open Component Com	Climatic proofing			
Enclosed PC	Ambient temperature			
Mounting position As required Mechanical shock resistance As required Mechanical shock resistance g As required g As required g As required ferminal capacities g As required g As required Blade terminal g As required g As required As required As required As required So that duration 11 ms Sinusoidal S	Open		°C	-25 - +60
We chanical shock resistance Image: Status of the session of the	Enclosed		°C	- 25 - 40
Ferminal capacities mm ² 0.5 - 1.0 Blade terminal 2.8 × 0.8 mm to DIN 46244 Fast-on connectors 2.8 × 0.8 mm to DIN 46247 and IEC 60760 Contacts 2.8 × 0.8 mm to DIN 46247 and IEC 60760 Rated insulation voltage Uimp VAC Dervoltage category/pollution degree Ui 20 Ue of insulated ferrule ISH 2,8 Ue VAC Jse of insulated ferrule ISH 2,8 Ue VAC	Mounting position			As required
Billed terminal 2.8 x 0.8 mm to DIN 46244 Fast-on connectors 2.8 x 0.8 mm to DIN 46247 and IEC 60760 Contacts 2.8 x 0.8 mm to DIN 46247 and IEC 60760 Rated inpulse withstand voltage Vimp V AC Rated insulation voltage Vimp V AC Devrvoltage category/pollution degree III/3 Rated operational voltage Ve VAC Jse of insulated ferrule ISH 2,8 VAC 24 VAC/DC recommended	Mechanical shock resistance		g	according to IEC 60068-2-27 Shock duration 11 ms
Fast-on connectors 2.8 × 0.8 mm to DIN 46247 and IEC 60760 Contacts 2.8 × 0.8 mm to DIN 46247 and IEC 60760 Rated inpulse withstand voltage Vimp VAC 800 Rated insulation voltage Vinp VAC 11/3 Overvoltage category/pollution degree Ventor Ventor 24 Jase of insulated ferrule ISH 2,8 Ventor Ventor 24	Terminal capacities		mm ²	0.5 - 1.0
Contacts Vimp V AC 800 Rated insulation voltage Uimp V 250 Divervoltage category/pollution degree Imp VAC Imp Rated operational voltage Ue VAC 20 Jse of insulated ferrule ISH 2,8 Ue VAC 24	Blade terminal			2.8 x 0.8 mm to DIN 46244
Rated inpulse withstand voltage U _{imp} V AC 800 Rated insulation voltage Ui V 500 Overvoltage category/pollution degree III/3 III/3 Rated operational voltage VAC 240 Jse of insulated ferrule ISH 2,8 VAC 240	Fast-on connectors			2.8 x 0.8 mm to DIN 46247 and IEC 60760
Rated insulation voltage Vi V 250 Dvervoltage category/pollution degree III/3 III/3 Jse of insulated ferrule ISH 2,8 VAC/DC recommended 24 VAC/DC recommended	Contacts			
Dvervoltage category/pollution degree III/3 Rated operational voltage Ue V AC Jse of insulated ferrule ISH 2,8 V AC >24 V AC/DC recommended	Rated impulse withstand voltage	U _{imp}	V AC	800
Rated operational voltage Ue VAC 24 Jse of insulated ferrule ISH 2,8	Rated insulation voltage	Ui	V	250
Jse of insulated ferrule ISH 2,8 >24 V AC/DC recommended	Overvoltage category/pollution degree			III/3
	Rated operational voltage	U _e	V AC	24
	Use of insulated ferrule ISH 2,8			

Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I _n	А	0
Heat dissipation per pole, current-dependent	P _{vid}	W	0
Equipment heat dissipation, current-dependent	P _{vid}	W	0
Static heat dissipation, non-current-dependent	P _{vs}	W	1
Heat dissipation capacity	P _{diss}	W	0

Operating ambient temperature min.	°C	-25
Operating ambient temperature max.	°C	60
IEC/EN 61439 design verification		
10.2 Strength of materials and parts		
10.2.2 Corrosion resistance		Meets the product standard's requirements.
10.2.3.1 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 Verification of resistance of insulating materials to abnormal heat and fire due to internal electric 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 Insulation properties		
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 7.0

Low-voltage industrial components (EG000017) / Front element for indicator light (EC000223)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for warning lights (ecl@ss10.0.1-27-37-12-11 [AKF029014])

Suitable for number of built-in signal lights		1
Colour lens		Red
Construction type lens		Square
Hole diameter	mm	16
Width opening	mm	0
Height opening	mm	0
With front ring		Yes
Material front ring		Plastic
Colour front ring		Black
Type of lens		Flat
Degree of protection (IP), front side		IP65

Approvals

Product Standards	IEC/EN 60947-5; UL 508; CSA-C22.2 No. 14-05; CE marking
UL File No.	E29184
UL Category Control No.	NKCR
CSA File No.	46552
CSA Class No.	3211-03
North America Certification	UL listed, CSA certified
Degree of Protection	UL/CSA Type 1



