
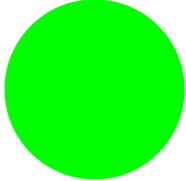




## Illuminated selector switch actuator, 3 positions, green, maintained



**Part no.** Q25LWK3R2-GN  
**Article no.** 072369  
**Catalog No.** Q25LWK3R2-GN

### Delivery programme

Product range		RMQ16 (drilling dimensions 16 mm)
Basic function		Illuminated selector switch actuator
Single unit/Complete unit		Single unit
Design		With thumb-grip maintained/momentary
<b>Function:</b>		
		45°  45°
Description		with VS anti-rotation tab without light elements With base, W2x4,6d; max. 30 V, 1 W 3 positions
<b>Colour</b>		
Thumb-grip		green
		
Degree of Protection		IP65
Front ring		without front ring
Connection to SmartWire-DT		no
Front dimensions		25 × 25 mm

### Technical data

#### General

Standards		IEC/EN 60947
Lifespan, mechanical	Operations x 10 <sup>6</sup>	> 3
Operating frequency	Operations/h	 1800
Operating torque	Nm	 0.2
Degree of protection, IEC/EN 60529		IP65
Climatic proofing		Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Ambient temperature	°C	
Open	°C	-25 - +60
Enclosed	°C	- 25 - 40
Mounting position		As required
Mechanical shock resistance	g	> 40 according to IEC 60068-2-27 Shock duration 11 ms Sinusoidal
Terminal capacities	mm <sup>2</sup>	0.5 - 1.0
Blade 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

Rated impulse withstand voltage	U <sub>imp</sub>	V AC	800
Rated insulation voltage	U <sub>i</sub>	V	250
Overvoltage category/pollution degree			III/3
Rated operational voltage	U <sub>e</sub>	V AC	24
Control circuit reliability			

at 24 V DC/5 mA	H <sub>F</sub>	Fault probability	< 10 <sup>-7</sup> (i.e. 1 failure to 10 <sup>7</sup> operations)
at 5 V DC/1 mA	H <sub>F</sub>	Fault probability	< 5 x 10 <sup>-6</sup> (1 failure in 5 x 10 <sup>6</sup> operations)
Use of insulated ferrule ISH 2,8			>24 V AC/DC recommended >50 V AC or 120 V DC is mandatory, even on unused blade terminals

## Design verification as per IEC/EN 61439

Technical data for design verification			
Rated operational current for specified heat dissipation	I <sub>n</sub>	A	0
Heat dissipation per pole, current-dependent	P <sub>vid</sub>	W	0
Equipment heat dissipation, current-dependent	P <sub>vid</sub>	W	0
Static heat dissipation, non-current-dependent	P <sub>vs</sub>	W	0
Heat dissipation capacity	P <sub>diss</sub>	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			Not applicable.
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 6.0

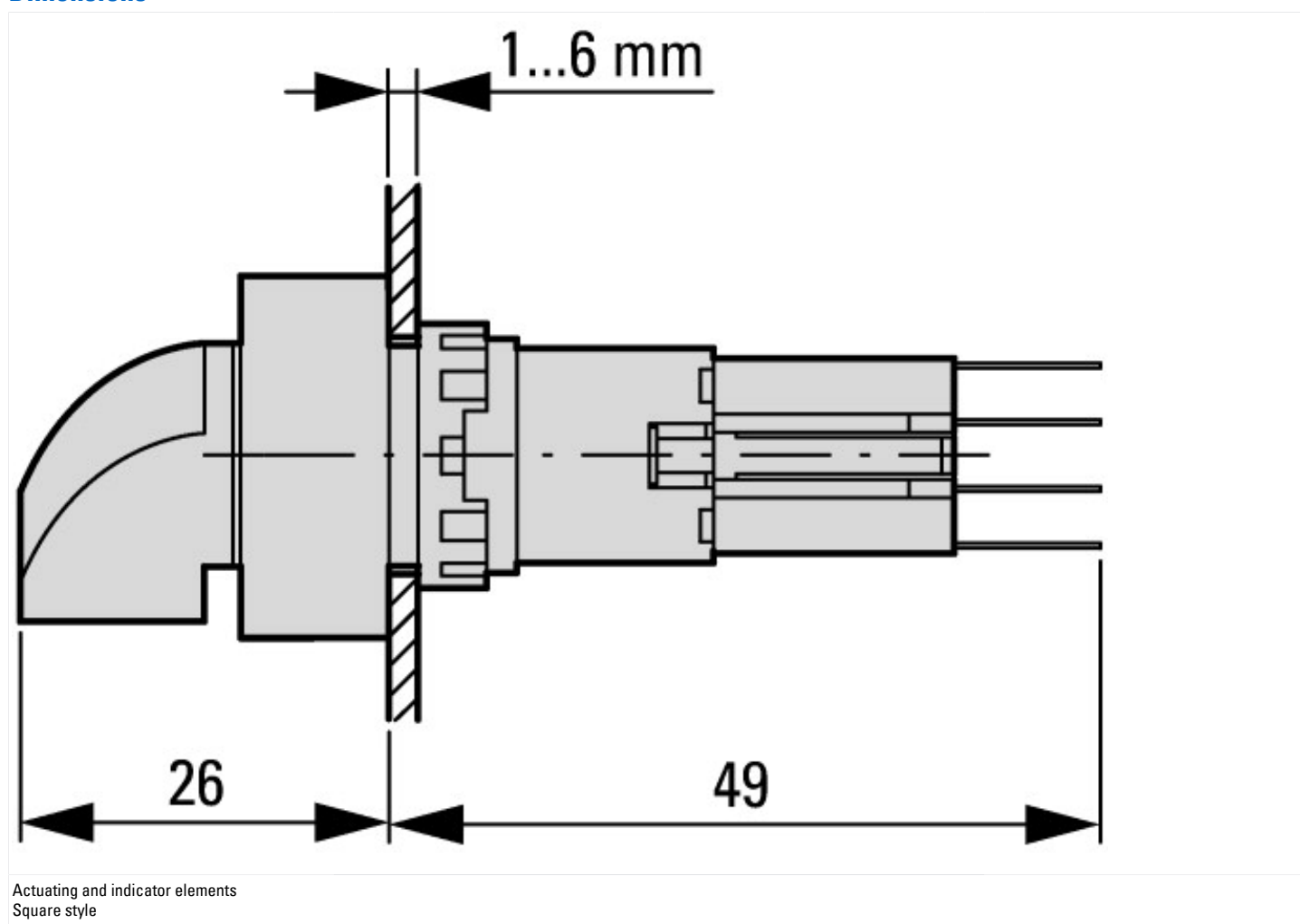
Low-voltage industrial components (EG000017) / Front element for selector switch (EC000222)			
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for selector switches (ec1@ss8.1-27-37-12-13 [AKF031011])			
Number of switch positions			3
Type of control element			Toggle
Suitable for illumination			Yes
Colour control element			Black
Colour indicator light cap			Green
Construction type lens			Square
Hole diameter		mm	16
Width opening		mm	0
Height meter opening		mm	0

Switching function latching		Yes
Spring-return		Yes
Degree of protection (IP), front side		IP65
With front ring		Yes
Material front ring		Plastic
Colour front ring		Black

## 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

## Dimensions



## Additional product information (links)

### IL04716016Z (AWA1160-1429) Mounting of components

IL04716016Z (AWA1160-1429) Mounting of components	<a href="ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716016Z2011_03.pdf">ftp://ftp.moeller.net/DOCUMENTATION/AWA_INSTRUCTIONS/IL04716016Z2011_03.pdf</a>
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