DATASHEET - 025D-GE



Pushbutton, yellow, momentary

Part no. Q25D-GE Catalog No. 086343 Alternate Catalog Q25D-GE



Delivery program

Product range			RMQ16
Basic function			Pushbutton actuators
Mounting hole diameter	Ø	mm	16
Single unit/Complete unit			Single unit
Design			Flat
			momentary
Button plate			
button plate			yellow
Button plate			
			Blank
Degree of Protection			IP65
Front ring Front ring			without bezel
Connection to SmartWire-DT			no

Technical data

General

General			
Standards			IEC/EN 60947, VDE 0660
Lifespan, mechanical	Operations	x 10 ⁶	> 3
Operating frequency	Operations/h		≦ 3600
Actuating force		n	≦ 4
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			
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

Design verification as per IEC/EN 61439

echnical data for design verification			
Rated operational current for specified heat dissipation	In	Α	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	0
Heat dissipation capacity	P _{diss}	W	0
Operating ambient temperature min.		°C	-25
Operating ambient temperature max.		°C	60
EC/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 observed.
10.12 Electromagnetic compatibility	Is the panel builder's responsibility. The specifications for the switchgear must 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 push button (EC000221)

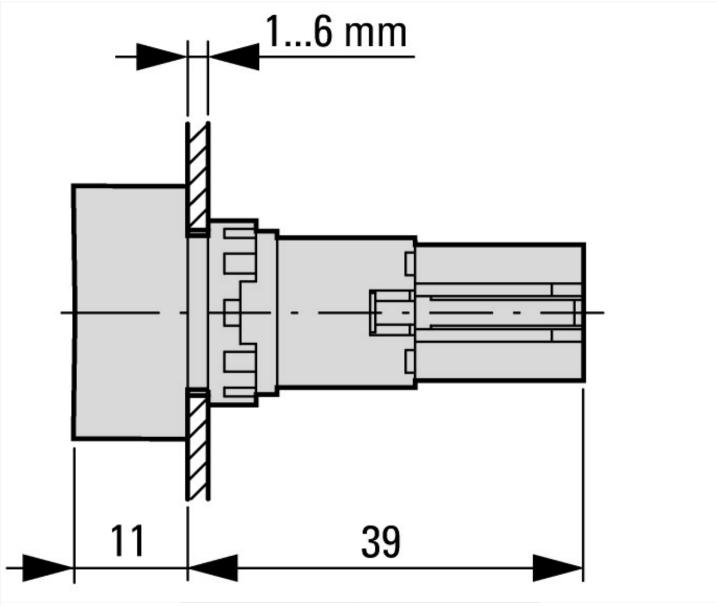
Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Front element for push-button actuators (ecl@ss10.0.1-27-37-12-10 [AKF028014])

Colour button Number of command positions Construction type lens Hole diameter Width opening Height opening Type of button Suitable for illumination With protective cover Labelled Switching function latching Spring-return With front ring Material front ring Degree of protection (NEMA), front side Degree of protection (NEMA), front side I Square Square Raque 1 Square No Square No Flat No Flat No No No Plastic Plastic Black Degree of protection (NEMA), front side Degree of protection (NEMA), front side	(constraint in the first section)		
Construction type lens Hole diameter Midth opening Mm 0 Height opening Mm 0 Type of button Suitable for illumination With protective cover Labelled No Switching function latching Spring-return With front ring Material front ring Colour front ring Degree of protection (IP), front side Square mm 16 No Flat Flat No No Flat No No Plastic Plastic Colour front ring Black Degree of protection (IP), front side	Colour button		Yellow
Hole diameter mm 16 Width opening mm 0 Height opening mm 0 Type of button Flat Suitable for illumination No With protective cover No Labelled No Switching function latching No Spring-return Yes With front ring Yes Material front ring Plastic Colour front ring Black Degree of protection (IP), front side India Service S	Number of command positions		1
Width openingmm0Height openingmm0Type of buttonFlatSuitable for illuminationNoWith protective coverNoLabelledNoSwitching function latchingNoSpring-returnYesWith front ringYesMaterial front ringPlasticColour front ringBlackDegree of protection (IP), front sideIP65	Construction type lens		Square
Height opening mm 0 Type of button Flat Suitable for illumination No With protective cover No Labelled No Switching function latching No Spring-return Yes With front ring Yes Material front ring Plastic Colour front ring Black Degree of protection (IP), front side	Hole diameter	mm	16
Type of button Suitable for illumination With protective cover Labelled No Switching function latching Spring-return With front ring Material front ring Colour front ring Degree of protection (IP), front side Flat No No No No No Plastic Black IP65	Width opening	mm	0
Suitable for illumination With protective cover Labelled No Switching function latching Spring-return With front ring Material front ring Colour front ring Degree of protection (IP), front side No No Plastic Black IP65	Height opening	mm	0
With protective cover Labelled No Switching function latching No Spring-return Yes With front ring With front ring Plastic Colour front ring Black Degree of protection (IP), front side No No No No Pes No No Pes Ves Ves Ves Naterial front ring Plastic Black IP65	Type of button		Flat
LabelledNoSwitching function latchingNoSpring-returnYesWith front ringYesMaterial front ringPlasticColour front ringBlackDegree of protection (IP), front sideIP65	Suitable for illumination		No
Switching function latching Spring-return With front ring Material front ring Colour front ring Degree of protection (IP), front side No Yes Yes Plastic Black IP65	With protective cover		No
Spring-return With front ring Yes Material front ring Plastic Colour front ring Black Degree of protection (IP), front side Pes	Labelled		No
With front ring Yes Material front ring Plastic Colour front ring Black Degree of protection (IP), front side IP65	Switching function latching		No
Material front ring Plastic Colour front ring Black Degree of protection (IP), front side IP65	Spring-return		Yes
Colour front ring Black Degree of protection (IP), front side IP65	With front ring		Yes
Degree of protection (IP), front side	Material front ring		Plastic
	Colour front ring		Black
Degree of protection (NEMA), front side	Degree of protection (IP), front side		IP65
	Degree of protection (NEMA), front side		1

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



Actuating and indicator elements Square style