#### DATASHEET - C30C-FD-X-K10-P62



Pushbutton, flat front, flush, spring-return function, 1 N/O, cable (black) with open end, 4-pole, 1 m  $\,$ 



Part no. C30C-FD-X-K10-P62 Catalog No. 186052

Delivery program		
Product range		RMQ compact solution
Basic function		Pushbutton actuators
Single unit/Complete unit		Complete unit
Design		Flat
		momentary
Connection type		Cable (black) with non-terminated end, 4 pole
Cable Length	m	1
Button plate		
button plate		Without button plate
Degree of Protection		IP66, IP67, IP69K (front) IP65 (on rear)
Front ring Front ring		Metal bezel
Connection to SmartWire-DT		no
Contacts		
N/O = Normally open		1 N/O
Contact sequence		BN I BK

# Technical data

Contact diagram

 $\textbf{Contact travel} = \textbf{Contact closed} \_ = \textbf{Contact open}$ 

delleral			
Standards			IEC/EN 60947-5-1 VDE 0660
Operating frequency	Operations/h		≦ 3600
Actuating force		n	≦ 5
Tightening torque Threaded ring		Nm	2
Climatic proofing			Damp heat, constant, to IEC 60068-2-78 Damp heat, cyclic, to IEC 60068-2-30
Degree of Protection			IP66, IP67, IP69K (front) IP65 (on rear)

3.15

Mounting position			As required
Mechanical shock resistance, shock duration 11 ms		g	> 30
Contacts			
Rated impulse withstand voltage	$U_{imp}$	V AC	800
Rated insulation voltage	$U_{i}$	٧	30
Overvoltage category/pollution degree			III/3
Control circuit reliability			
At 17 V DC/7 mA	$H_{F}$		N/O: 1 failure per 17 $\times$ 10 $^{6}$ switching operations, statistically determined
Max. short-circuit protective device			
Fuse	gG/gL	Α	4
Rated conditional short-circuit current	Iq	kA	1
Switching capacity			
Rated operational current	l <sub>e</sub>	Α	
AC-15			
24 V	I <sub>e</sub>	Α	4
DC-13			
24 V	Ie	Α	3
Cable characteristics			
Design			Cable end open
Cable Length		m	1
Material characteristic			PUR
Diameter	Ø	mm	4.7

## Design verification as per IEC/EN 61439

Technical data for design verification		
Operating ambient temperature min.	°C	-25
Operating ambient temperature max.	°C	70

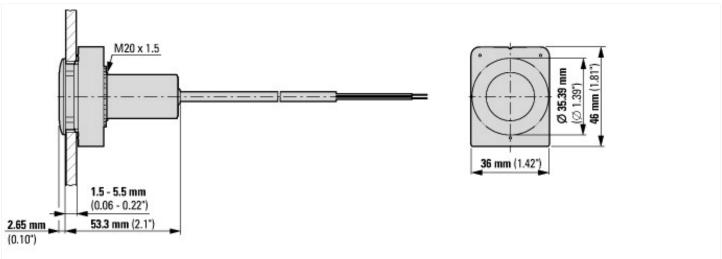
#### **Technical data ETIM 7.0**

Low-voltage industrial components (EG000017) / Push button, complete (EC001028)

Electric engineering, automation, process control engineering / Low-voltage switch technology / Command and alarm device / Push-button actuator, complete unit (ecl@ss10.0.1-27-37-12-28 [AKF046014])

Type of buttonImage: Colour buttonImage: Colour buttonImage: Colour buttonImage: Colour button plateImage: Colour button plate <th>[AKF046014])</th> <th></th> <th></th>	[AKF046014])		
Color button Construction type lens Hole diameter Width opening Height opening Suitable for illumination Switching function latching Spring-return Supply voltage lamp Number of contacts as normally closed contact Number of contacts as normally closed contact Number of electric connection With front ring Material front ring Material front ring Degree of protection (IP) With opening With unbut on plate  withou button plate Round R	Number of command positions		1
Construction type lensKe ondRoundHole diametermm30Width openingmm0Height openingmm0Suitable for illuminationmm0Switching function latchingImage: Market of the contact of the contact of the contact as normally open contactImage: Market of the contact as normally closed contactImage: Market of the contact as normally closed contactImage: Market of the contact as change-over contactImage: Market of the contact as change-over contactImage: Market of the contact as change-over contactImage: Market of the contact of the contact as change-over contactImage: Market of the contact	Type of button		Flat
Hole diameter         mm         30           Width opening         mm         0           Height opening         mm         0           Suitable for illumination         mm         0           Switching function latching         No           Spring-return         Yes           Supply voltage lamp         V         0           Number of contacts as normally open contact         1         1           Number of contacts as normally closed contact         1         0           Number of contacts as change-over contact         1         0           Type of electric connection         Yes         Other           With front ring         Yes         Metal           Material front ring         Metal         Chrome           Colour front ring         Chrome         Chrome	Colour button		Without button plate
Width opening     mm     0       Height opening     mm     0       Suitable for illumination     No     No       Switching function latching     No     Yes       Spring-return     Yes     1       Supply voltage lamp     Yes     1       Number of contacts as normally open contact     1     1       Number of contacts as normally closed contact     0     0       Number of contacts as change-over contact     0     0       Type of electric connection     Yes     0       With front ring     Yes     Wetal       Material front ring     Metal     Chrome       Colour front ring     Chrome     Chrome       Degree of protection (IP)     Other	Construction type lens		Round
Height opening mm 0 Suitable for illumination No Switching function latching No Spring-return Yes Supply voltage lamp V 0 Number of contacts as normally open contact 1 1 Number of contacts as normally closed contact 1 0 Number of contacts as normally closed contact 1 0 Number of contacts as change-over contact 1 0 Number of contacts as normally closed contact 1 0 Number of contacts as normal	Hole diameter	mm	30
Suitable for illumination  Switching function latching  Switching function latching  Spring-return  Supply voltage lamp  Number of contacts as normally open contact  Number of contacts as normally closed contact  Number of contacts as normally closed contact  Number of contacts as change-over contact  Type of electric connection  With front ring  Material front ring  Colour front ring  Degree of protection (IP)	Width opening	mm	0
Switching function latching Spring-return Supply voltage lamp Vu Supply voltage lamp Vu Sumber of contacts as normally open contact Number of contacts as normally closed contact Number of contacts as change-over contact Vumber of contacts as normally open contact Vumber of	Height opening	mm	0
Spring-returnYesSupply voltage lampV0Number of contacts as normally open contact1Number of contacts as normally closed contact0Number of contacts as change-over contactV0Type of electric connectionVVWith front ringVesMaterial front ringWetalColour front ringChromeDegree of protection (IP)Other	Suitable for illumination		No
Supply voltage lamp  Number of contacts as normally open contact  Number of contacts as normally closed contact  Number of contacts as change-over contact  Number of electric connection  With front ring  Material front ring  Colour front ring  Degree of protection (IP)  V 0  1  1  1  1  1  1  1  1  1  1  1  1  1	Switching function latching		No
Number of contacts as normally open contact  Number of contacts as normally closed contact  Number of contacts as change-over contact  Number of contacts as change-over contact  Other  With front ring  Material front ring  Colour front ring  Degree of protection (IP)  I a contacts as normally open contact  Other  Metal  Colour front ring  Other  Other	Spring-return		Yes
Number of contacts as normally closed contact  Number of contacts as change-over contact  Type of electric connection  With front ring  Material front ring  Colour front ring  Degree of protection (IP)  Other	Supply voltage lamp	V	0
Number of contacts as change-over contact  Type of electric connection  With front ring  Material front ring  Colour front ring  Degree of protection (IP)  Other	Number of contacts as normally open contact		1
Type of electric connection  With front ring  Material front ring  Colour front ring  Degree of protection (IP)  Other  Other  Metal  Colour front ring  Chrome  Other	Number of contacts as normally closed contact		0
With front ring     Yes       Material front ring     Metal       Colour front ring     Chrome       Degree of protection (IP)     Other	Number of contacts as change-over contact		0
Material front ring     Metal       Colour front ring     Chrome       Degree of protection (IP)     Other	Type of electric connection		Other
Colour front ring Chrome Degree of protection (IP) Other	With front ring		Yes
Degree of protection (IP)  Other	Material front ring		Metal
	Colour front ring		Chrome
Degree of protection (NEMA) Other	Degree of protection (IP)		Other
	Degree of protection (NEMA)		Other

# **Dimensions** M20 x 1.5



### **Additional product information (links)**

IL047021ZU	RMQ	compact	solution
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IL047021ZU RMQ compact solution

ftp://ftp.moeller.net/DOCUMENTATION/AWA\_INSTRUCTIONS/IL047021ZU2018\_06.pdf