

SERIES 5

REVOLUTION!

High tech quality

We have designed the most compact electric strike without sacrificing any of the quality or safety offered by our other products, reinventing every element to make it smaller. Thus Series 5 is the perfect match for narrow aluminium, PVC or timber profiles.

This strike features new internal mechanisms to measure up to the highest technical requirements.



5

Compact

Versatile and functional

This new generation of electric strikes will surely surprise you: we have crafted the Series 5 from scratch, focusing on a simple and functional design.

5U

Where less is more!

Small and universal

With less models we reach a wider range of solutions, making the 5U the ideal choice for projects with several voltages. This electric strike simplifies purchasing forecast and compatibility with technical requirements.

The new internal design allows the opening with side-load up to 200 N.


16 MM
WIDTH

UP TO
200 N
SIDE - LOAD
AC

9-24 V
22-28 V
AC / DC

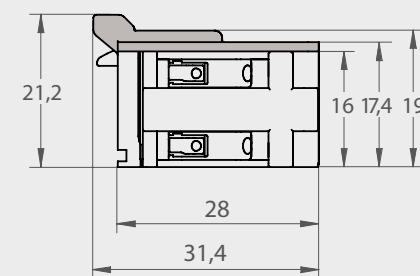


Technical characteristics

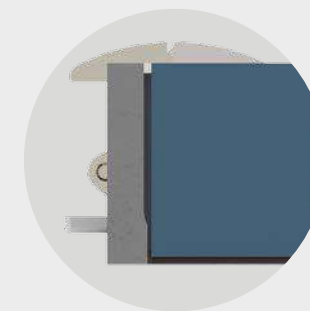
Break-in resistance (keeper's pressure)	4.800 N
Dynamic strength (door impact)	4.400 N
Endurance rating  (cycles with no side-load)	200.000
Temperature	- 25 °C to + 70 °C
Complies with the directive:	
2014/30/UE	
2011/65/UE	

According to EN14846 standard:

Fail-secure / Fail-safe:	3 C 3 0 0 H 0 0 0
Fail-secure / Fail-safe with micro:	3 C 3 0 0 H 0 1 0

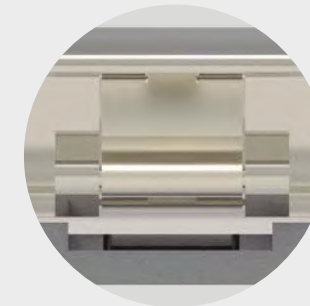


New
Latch guide



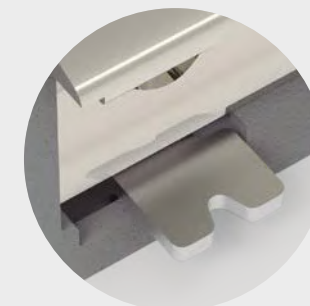
THE PERFECT RADIAL ROTATION

The new radial system allows the keeper to rotate on its own axis. When the rotation is performed inside the mechanism of the box the installation of an electric strike becomes easier, less time consuming and more aesthetically pleasing.



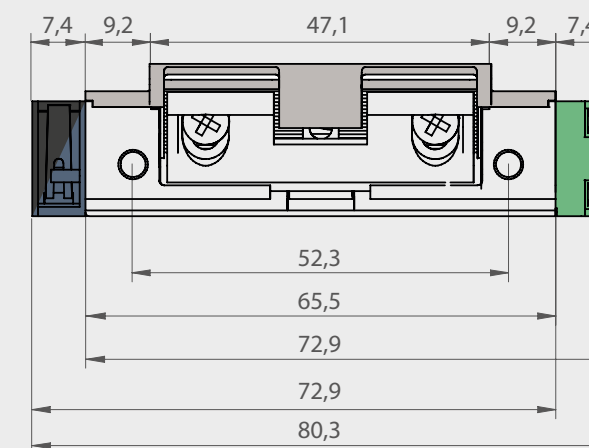
NEW HOLD-OPEN SYSTEM

Designers and engineers at O&C had the challenge to create a hold-open system that was both durable and able to adapt to all kinds of door latches. The new automatic system is more reliable, simple and effective.



REVOLUTIONARY UNLOCKING LEVER

Our passion for every little detail made us enhance the traditional mechanical unlocking system of electric strikes. Now it's much more precise and durable.



5E 

Pure innovation

The world's first
electronic strike!

The future has finally arrived. After years of research and creative effort we present the first electronic strike on the market. Specially designed to adapt to any access control system: simple and unique.

Now electronically improved and with less noise!

UP TO
400 N
SIDE - LOAD
AC - DC

ELECTRONIC
MICROCHIP

6 - 28 V
AC / DC
100%



5F

Pure strength!

Resistance within reach

Made entirely out of an extremely resistant alloy that adapts to the geometric complexity of the electric strike. Every little detail has been passionately designed to improve its efficiency on fire and high security doors.

5UF

Passionate about the details!

Compact and universal

The design of our new universal coil offers the advantage of unifying models and performing faster installations. Making this the most versatile electric strike for fire solutions yet.

16 MM
DE ANCHO

UP TO
200 N
SIDE - LOAD
AC


9-24 V
22-28 V
AC / DC



Technical characteristics

Break-in resistance (keeper's pressure) 8.000 N

Dynamic strength (door impact) 4.400 N

Endurance rating  (cycles with no side-load) 200.000

Fire resistant 90 min.

Temperature - 25 °C to + 70 °C

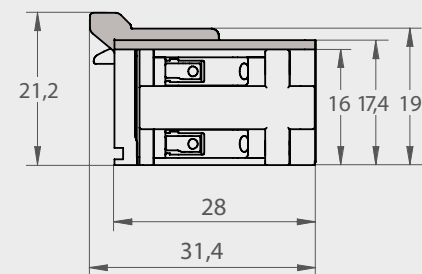
Complies with the directive:
2014/30/UE
2011/65/UE

Accredited with EN14846 certificate:

Fail-secure / Fail-safe: 3 C 3 E 0 H 0 0 0

Fail-secure / Fail-safe with micro: 3 C 3 E 0 H 0 1 0

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New
Latch guide



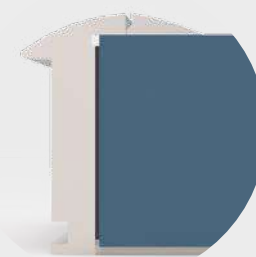
INTERCHANGEABLE MICRO SWITCH

The monitoring that detects the status of the door has now an interchangeable position to provide a more comfortable and secure installation.



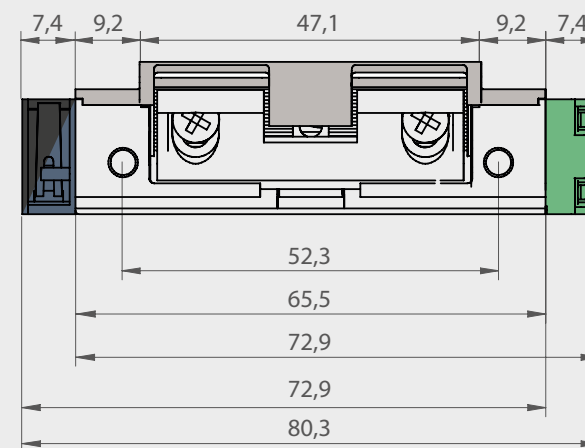
THE TOUGHEST MATERIAL

Fully manufactured in a steel alloy that can withstand high temperatures and helps maintain fire doors sealed.



OPTIMAL REGULATION

An ingenious redesign of the mechanism housing has increased the depth of the keeper to 6mm and 3mm adjustability while maintaining its perfect radial rotation.



5EF

The future is electronic!

Unique

Our engineers at O&C found a sophisticated and advanced solution for any fire door that requires an extra layer of protection: to include a microprocessor that unlocks the door from 6 to 28V AC / DC. While increasing the side-load up to 400 N. This powerful chip is also responsible for controlling the temperature of the electronic strike so it doesn't exceed 40 °C.

UP TO
400 N
SIDE - LOAD
AC - DC













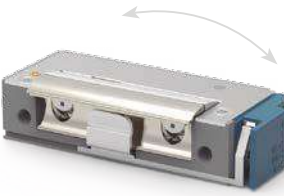






ELECTRONIC
MICROCHIP

6 - 28 V
AC / DC
100%



NEW ITEM NUMBERS (EXAMPLE)				
Model	Function	Coil	Keeper	Cover
5U	0	X	(K)	(C)

ITEM NUMBERS AND FEATURES Functions

	5 y 5U	5E	5F y 5UF	5EF								
0. Fail-secure					50B(K)(C) 50D(K)(C) 50E(K)(C) 50F(K)(C) 50H(K)(C)	5U0X(K)(C) 5U0Y(K)(C)	5E0Z(K)(C)	5F0B(K)(C) 5F0D(K)(C) 5F0E(K)(C) 5F0F(K)(C) 5F0H(K)(C)	5UF0X(K)(C) 5UF0Y(K)(C)	5EF0Z(K)(C)		
1. Fail-secure with mechanical unlocking					51B(K)(C) 51D(K)(C) 51E(K)(C) 51F(K)(C) 51H(K)(C)	5U1X(K)(C) 5U1Y(K)(C)	5E1Z(K)(C)	-	-	-		
2. Hold-open					52B(K)(C) 52D(K)(C) 52E(K)(C) 52F(K)(C) 52H(K)(C)	5U2X(K)(C) 5U2Y(K)(C)	5E2Z(K)(C)	-	-	-		
3. Hold-open with mechanical unlocking					53B(K)(C) 53D(K)(C) 53E(K)(C) 53F(K)(C) 53H(K)(C)	5U3X(K)(C) 5U3Y(K)(C)	5E3Z(K)(C)	-	-	-		
4. Fail-safe					54E(K)(C) 54F(K)(C)	5U4X(K)(C) 5U4Y(K)(C)	5E4Z(K)(C)	-	-	-		
6. Fail-secure with monitoring					56B(K)(C) 56D(K)(C) 56E(K)(C) 56F(K)(C) 56H(K)(C)	5U6X(K)(C) 5U6Y(K)(C)	5E6Z(K)(C)	5F6B(K)(C) 5F6D(K)(C) 5F6E(K)(C) 5F6F(K)(C) 5F6H(K)(C)	5UF6X(K)(C) 5UF6Y(K)(C)	5EF6Z(K)(C)		
8. Fail-safe with monitoring					58E(K)(C) 58F(K)(C)	5U8X(K)(C) 5U8Y(K)(C)	5E8Z(K)(C)	-	-	-		
		Left Microswitch upon request										


Creating new item numbers

Remember to replace the (K) and (C) that correspond to the Keeper and the Cover of the product by the desired number. See the next page for an easy selection. For example:
5U0X(K)(C) would become **5U0X21** if we chose Keeper 2 and Cover 1.


5

5U


5E




5F




5UF



5EF





Coils

Electrical characteristics

	B	D	E	F
Electrical data	6-14V AC/DC	24V AC	12V DC	24V DC
Continuous duty	< 1 min	< 1 min	ED 100%	ED 100%
Transient Voltage Suppressor (TVS)	Si	Si	Si	Si
Rated resistance	8,5 Ω	42 Ω	42 Ω	200 Ω
Current consumption AC	0,50 A 6V 1 A 12V 1,16 A 14V	0,4 A	-	-
Current consumption DC (stabilized)	0,71 A 6V 1,41 A 12V 1,65 A 14V	-	0,29 A	0,12 A
Maximum side-load on AC	12V - 120 N	120 N	-	-
Maximum side-load on DC (stabilized)	12V - 10 N	-	10 N	10 N
Compatible coils for:	5 and 5F	5 and 5F	5 and 5F	5 and 5F

H	X	Y	Z
9-16V AC/DC	9-24V AC/DC 12V DC	22-28V AC/DC 24V DC	6-28V AC/DC
< 1 min	< 1 min / ED 100%	< 1 min / ED 100%	ED 100%
Si	Si	Si	Si
14 Ω	43 Ω	200 Ω	6,5 Ω
0,45 A 9V 0,61 A 12V 0,81 A 16V	0,15 A 9V 0,2 A 12V 0,39 A 24V	0,08 A 22V 0,08 A 24V 0,10 A 28V	<div>Initial:</div> 0,18 A 6V 0,39 A 12V 0,24 A 24V <div>Maintenance:</div> 0,10 A 6V 0,21 A 12V 0,11 A 24V
0,64 A 9V 0,86 A 12V 1,14 A 16V	0,21 A 9V 0,28 A 12V 0,56 A 24V	0,11 A 22V 0,12 A 24V 0,14 A 28V	<div>Initial:</div> 0,16 A 6V 0,34 A 12V 0,17 A 24V <div>Maintenance:</div> 0,09 A 6V 0,14 A 12V 0,07 A 24V
12V - 120 N	24 V - 200 N	28 V - 200 N	6 - 28V - 400 N
12V - 10 N	12V - 50 N 12V 100% ED	24V - 50 N 24V 100% ED	6 - 28V - 400 N
5 and 5F	5U and 5UF	5U and 5UF	5E and 5EF

Item numbers

Remember to replace the (K) and (C) with a number.

Ex.: 5U0X(K)(C) would be 5U0X21 if we choose Keeper 2 and Cover 1.

Keeper (K)

1




2



1



2



Adjustable keeper made of zamak for models:
5 / 5U / 5E
Suitable for features: 0 / 1 / 4 / 6 / 8
X= 5,2 mm
Y= 7,1 to 9,1 mm

Adjustable keeper made of zamak for models:
5 / 5U / 5E
Suitable for features: 2 / 3
X= 5,2 mm
Y= 7,1 to 9,1 mm

Adjustable keeper made of steel for models:
5F / 5UF / 5EF
Suitable for features: 0 / 6
X= 6 mm
Y= 7,1 to 10,1 mm

Adjustable keeper made of steel for models:
5F / 5UF / 5EF
Suitable for features: 0 / 6
X= 6 mm
Y= 7,1 to 10,1 mm

3



4



5



6



7



8



Adjustable keeper made of zamak for models:
5 / 5U / 5E
Suitable for features: 0 / 1 / 4 / 6 / 8
X= 5,2 mm
Y= 5,6 to 7,6 mm

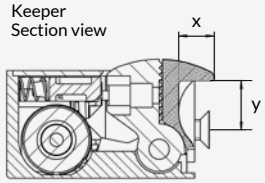
Adjustable keeper made of zamak for models:
5 / 5U / 5E
Suitable for features: 0 / 1 / 4 / 6 / 8
X= 4,2 mm
Y= 8,1 to 10,1 mm

Adjustable keeper made of zamak for models:
5 / 5U / 5E
Suitable for features: 0 / 1 / 4 / 6 / 8
X= 5,2 mm
Y= 7,1 to 9,1 mm

Adjustable keeper made of zamak for models:
5 / 5U / 5E
Suitable for features: 0 / 1 / 4 / 6 / 8
X= 4,2 mm
Y= 8,1 to 10,1 mm

Adjustable keeper made of zamak for models:
5 / 5U / 5E
Suitable for features: 0 / 1 / 4 / 6 / 8
X= 4,2 mm
Y= 8,1 to 10,1 mm


Adjustable keeper made of zamak for models:
5 / 5U / 5E
Suitable for features: 0 / 1 / 4 / 6 / 8
X= 5,7 mm
Y= 5,6 to 7,6 mm




Dimension X
Keeper depth
Dimension Y
Keeper's adjustability from
min. to max.

Cover (C)

0



1



¡NEW COVER!
Latch guide
Designed for installations in the center of the door frame or to avoid cutting the frame.

Compatible with keeper's 2 and 7



The latch guide cover allows the door latch to neatly slide into position without blocking the door.
Common problem: when the door is about to be opened, the door latch gets stuck between the electric strike and the doorframe.
O&C solution: Thanks to the latch guide cover, the door latch can't get stuck in the cavity. The latch will thus smoothly slide into position and unlock the door.