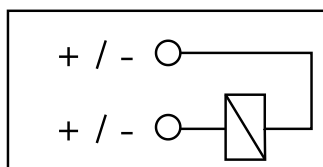


31B10

Series 3 Electric Strike 6-14V AC/DC 5,800N Fail-Secure with mechanical unlocking



Connection



Electrical Data (at 20°C)

Coil	B
Nominal Voltage	6-14V AC/DC
Rated Resistance	8 Ω
Duty Cycle (%ED)	<1min
Transient Voltage Suppressor (TVS)	Yes
PCB Hardware Version	PCBA0000001

Technical Data

Function	Fail-Secure with mechanical unlocking
Operation	Normally Closed (Fail-Secure)
Resistance to forced entry	5,800 N
Endurance Rating (Cycles)	200,000
Operating Temperature	-25°C – +70°C
Sound Level AC (at 50 cm)	69 dBA
Sound Level DC (at 50 cm)	5 dBA
Latch Spring Force	17-18 N
Door Opening Direction (DIN 107)	DIN R / DIN L
Vertical and Horizontal Installation	Yes
Strike Fixing Distance	52.5 mm
Height (Z)	71 mm
Width (X)	20.1 mm
Depth (Y)	32 mm
Keeper	Adjustable
Radian Keeper	External
Keeper Movement	34°
Keeper Depth	6.7 mm
Keeper Adjustment	3 mm

Product Certificates

Regulations	(UE) 305/2011
Standards	EN 14846:2008
EMC Directive	2014/30/UE
RoHS Directive	2011/65/UE
REACH Regulation	1907/2006

Patents

EP4001559A1, EP4206424A1, EP4239147A1, ES1057347, ES1088879U, ES1158664U

Consumption (Tables showing relation between Tension (Vin), Consumption (A) and Preload Force (N))

Alternating Current (AC)

Vin (AC)	Initial				Holding C2(A) ³
	C0(A) ¹	C1(A) ²	DIN L (N) ⁴	DIN R (N) ⁵	
6	0.52	0.52	250	120	0.52
8	—	—	—	—	—
9	—	—	—	—	—
10	—	—	—	—	—
12	1.09	1.09	230	200	1.09
14	1.28	1.28	250	250	1.28
16	—	—	—	—	—
22	—	—	—	—	—
24	—	—	—	—	—
28	—	—	—	—	—
30	—	—	—	—	—

Direct Current (DC)

Vin (DC)	Initial				Holding C2(A) ³
	C0(A) ¹	C1(A) ²	DIN L (N) ⁴	DIN R (N) ⁵	
6	0.66	0.66	10	20	0.66
8	—	—	—	—	—
9	—	—	—	—	—
10	—	—	—	—	—
12	1.29	1.29	80	100	1.29
14	1.47	1.47	110	150	1.47
16	—	—	—	—	—
22	—	—	—	—	—
24	—	—	—	—	—
28	—	—	—	—	—
30	—	—	—	—	—

¹ C0: Peak current. ² C1: Initial Consumption. ³ C2: Holding Consumption. ^{4,5} Preload Force in Newtons (N) DIN L, DIN R (With preload, the strike processes the opening in under 1 second).

The table shows the test values at a temperature of 20°C; any variation in this condition will affect both the power consumption and the holding force of the electric strike. Consumption deviation of ±7% due to ohmic tolerance of coil.