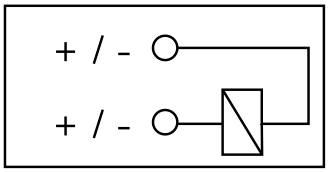
51B21

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

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	-25ºC – +70ºC
Sound Level AC (at 50 cm)	69 dBA
Sound Level DC (at 50 cm)	5 dBA
Latch Spring Force	40-44 N
Door Opening Direction (DIN 107)	DIN R / DIN L
Vertical and Horizontal Installation	Yes
Strike Fixing Distance	52.3 mm
Height (Z)	65.5 mm
Width (X)	17.4 mm
Depth (Y)	28 mm
Keeper	Adjustable
Radian Keeper	Internal
Keeper Movement	25º
Keeper Depth	5.7 mm
Keeper Adjustment	2 mm

Connection



Product Certificates

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

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

Patents

EP4001559A1, EP4239147A1, ES1071663U, ES1073824U, ES1073827U, ES1088879U, ES1135309U, ES1135534U, ES1158664U

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

Alternating Current (AC)

Vin (AC)	Initial				Holding
	C0(A)[1]	C1(A)[2]	DIN L (N)[4]	DIN R (N)[5]	C2(A)[3]
6	0.52	0.52	200	300	0.52
8	—	—	—	—	—
9	—	—	—	—	—
10	—	—	—	—	—
12	1.09	1.09	200	250	1.09
14	1.28	1.28	220	250	1.28
16	—	—	—	—	—
22	—	—	—	—	—
24	—	—	—	—	—
28	—	—	—	—	—
30	—	—	—	—	—

Direct Current (DC)

Vin (DC)	Initial				Holding
	C0(A)[1]	C1(A)[2]	DIN L (N)[4]	DIN R (N)[5]	C2(A)[3]
6	0.66	0.66	40	80	0.66
8	—	—	—	—	—
9	—	—	—	—	—
10	—	—	—	—	—
12	1.29	1.29	100	150	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.

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