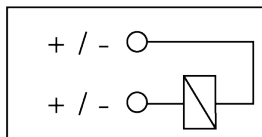


5E1Z10 Technical Data

Function	Fail-secure with mechanical unlocking
Resistance to forced entry	5.800N
Endurance rating (Cycles)*	200.000
Operating temperature*	-25°C a +70°C
Sound AC (dBA from 50 cm distance)	65dBA
Sound DC (dBA from 50 cm distance)	5 dBA
DIN 107	DIN R / DIN L
Vertical/Horizontal instalation	Yes
Fixing distance	52,30 mm
Height (Z)	67,70 mm
Width (X)	16 mm
Depth (Y)	28 mm
Keeper	Adjustable
Radian keeper	Internal
Keeper movement	25°
Keeper's depth	5,50 mm
Keeper's adjustability	2 mm
Suitable for fire/smoke protection doors	No
Suitable for outdoor doors	No

*According to standard EN 14846:2008

Connection Scheme



Electrical Characteristics (at 20°C)

Solenoid		Z
Nominal voltage	8-30V AC/DC	Tolerance —
Rated resistance		8 Ohms
Duty cycle (%ED)	100%ED (8-30V AC/DC)	
Transient voltage suppressor (TVS)		Yes
PCB		
Firmware		—
Hardware		—

Product certificates

Regulations	(UE) 305/2011
Standards	EN 14846:2008
CPR Certificate	—
Classification	—
Low Voltage Directive	2014/35/UE
(CEM) Directive	2014/30/UE
RoHs Directive	2011/65/UE
REACH Regulation	1907/2006
MPA identifier	—

Table of Relationship between Voltage (VIN), Current (A) and Preload Force (N)*

Alternating consumption (AC)

VIN (AC)	INITIAL			HOLDING *C2(A)
	*C1(A)	DIN L (N)	DIN R (N)	
6	—	—	—	—
8	0,51	330	600	0,29
9	—	—	—	—
10	—	—	—	—
12	0,76	650	650	0,25
14	—	—	—	—
16	—	—	—	—
22	—	—	—	—
24	0,59	650	650	0,13
28	—	—	—	—
30	0,62	650	650	0,17

Direct consumption (DC)

VIN (DC)	INITIAL			HOLDING *C2(A)
	*C1(A)	DIN L (N)	DIN R (N)	
6	—	—	—	—
8	0,58	200	600	0,2
9	—	—	—	—
10	—	—	—	—
12	0,83	650	650	0,17
14	—	—	—	—
16	—	—	—	—
22	—	—	—	—
24	0,3	650	650	0,08
28	—	—	—	—
30	0,32	650	650	0,08

*C1: Initial Consumption
*C2: Holding Consumption

*The strike processes the opening with preload in less than 1 second.