



**SECURITY SMOKE SLC-System**

**2-POINT Spring-return actuator for Fire Dampers**

**3.31**

**Application**

The JOVENTA SECURITY SMOKE electric damper-actuator series have been specially developed for the motorized operation of smoke extraction dampers.

The actuator drives the damper to the safety position (damper open).

In the event of a power loss, the gears are mechanically locked.

In doing so, this actuator, meets the demands of DIN V 18232 T6.

**Key features**

- 24 Volt supply voltage beginning with safety module BSLC 24-SR
- Quick and easy installation
- 10/11/12/14 mm steel adapter for square shaft
- Plug-in terminal block connection
- Interchangeable 2-wire conductor: The actuator power supply and control signal use the same conductor
- Relay contacts for connection to building management systems
- Manual operation with crank handle
- Energy saving at end positions
- Mechanical locking
- Customized versions available
- Devices meet CE requirements

**Nomenclature/Specification/Technical data**

S E L 1 . 90 SLC / 10	2-Point actuator SLC-System
	10/11/12/14 mm square shaft adapter
	SLC Control signal
	90 = 90° rotation angle
	1 = 24 V from safety module BSLC 24..
	L = Left or R = Right for direction of rotation to safety position
	Smoke Extraction
	Safety actuator

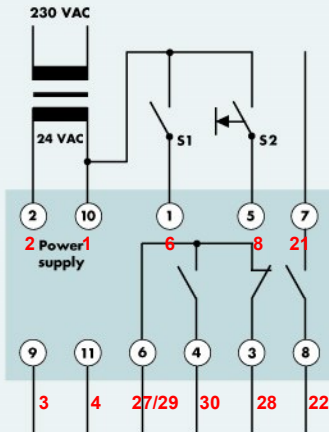
Actuator	Type	SE..1.90SLC/..
Torque	Nm	40
Damper area*	m2	Per manufacturer's information
Running time ON	sec	60
Running time OFF	sec	60
Supply voltage	V	24 V from safety module BSLC 24..
Frequency	Hz	50..60
Power consumption		
- Running	W	7.0
- At end position	W	1.0
Dimensioning	VA / I max	13.0 / 1.6 A @ 2 msec
Weight	Kg	2.7
Control signal		2-point SLC
Position signal		None
Angle of rotation / working range		90°
Angle of rotation / limitation		None
Service lifetime	On/Off	10,000 rotations
Auxiliary switches		from safety module BSLC 24..
Noise level		50 dB (A)
Protection class		II
Degree of protection		IP 54
Cable aperture connection		PG11
Mode of action		Typ 2.C.L.AB
Ambient conditions		
- Operating temperature		-20...+50°C as per IEC 721-3-3
- Storage temperature		-30...+70°C as per IEC 721-3-2
- Humidity		5...95% rH (non condensing)
Service		Maintenance-free
Standards		Mechanics EN 60 529 / EN 60 730-2-14
		Electronics EN 60 730-2-14
		EMC Emissions EN 50 081-1:92 / IEC 61 000-6-3:96
		EMC Immunity EN 50 082-2:95 / IEC 61 000-6-2:99

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### Wiring diagram

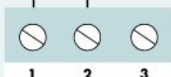


- BSLC-24-SR (smoke protection)**  
**S1 Control signal**  
**OPEN/CLOSE**  
**3 Closed when damper**  
**CLOSED**  
**4 Closed when damper**  
**OPEN**  
**5 External pulse key**  
**RESET/TEST**  
**6 3(1.5) Amp 230 V max.**  
**7 3(1.5) Amp 230 V max.**  
**8 OPEN at ALARM**

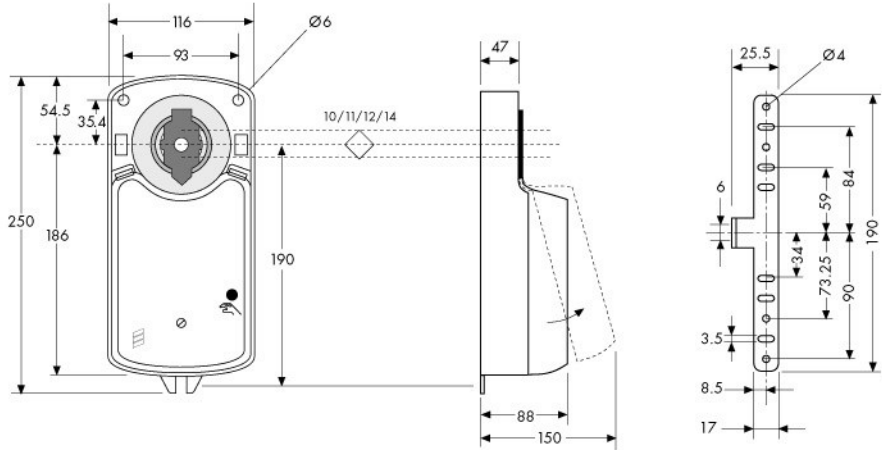
**New JSLC-R**  
**O Points new**

24 V - SLC ±20%

L max.  
 250 m/1.50 mm<sup>2</sup>  
 100 m/1.00 mm<sup>2</sup>  
 50 m/0.75 mm<sup>2</sup>

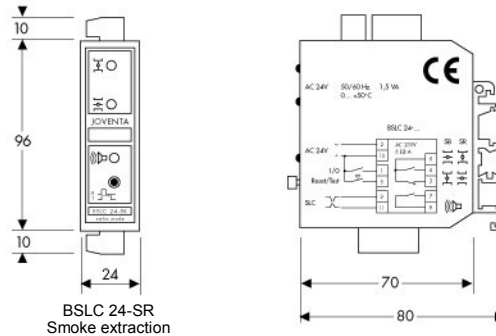


### Dimensions in mm



### Dimensions in mm

#### Safety module BSLC 24-SR, JSLC-R



BSLC 24-SR  
 Smoke extraction

### Safety module BSLC 24-SR

Safety module	Type	BSLC 24-SR / JSLC-R
Supply voltage	V	24 VAC -15...+20%
Frequency	Hz	50-60
Dimensioning	VA	1.5 and actuator
Power consumption	W	1.0 and actuator
Relay contacts	A	3(1.5) Amp 230 V
Connections		Plug-in terminal block connection
Protection class		III (Safety low-voltage)
Degree of protection		IP 40
Mounting in cabinet		Snap-On to 35 mm DIN rail
Ambient temperature		-20...+50°C
Ambient humidity		5...95% rH
Standard		The module meets CE requirement

### Symbols for damper positions

