

Push buttons and indicators lights



Push buttons:

2 versions :

- impulse push buttons
- latching push buttons
























These versions with indicator lights are equipped with leds and with a diffuser green or red.

Connection capacity :

- 10² rigid,
- 6² flexible.

Standard conformity :

- IEC 60947-5-1 for push buttons
- IEC 62094-1 for indicator lights

	Designation	Characteristics	Width in ■ 17,5 mm	Qty.	Ref.	
 <p>SVN 311</p>	Impulse push button					
		16 A - 250 V ~ without light indicator contact: 1NO	1	12	SVN 311	
		contact: 1NC	1	12	SVN 321	
		contacts: 2NO	1	12	SVN 331	
		contacts: 2NC	1	12	SVN 341	
		contacts: 1NO+1NC	1	12	SVN 351	
	 <p>SVN 391</p>		contacts: 2NO	1	12	SVN 371
			contacts: 1NO+1NC	1	12	SVN 391
			with indicator light : contact: 1NO green	1	12	SVN 411
			contact: 1NC red	1	12	SVN 422
			contacts: 2NO red	1	12	SVN 432
			contacts: 2NC green	1	12	SVN 441
 <p>SVN 411</p>		contacts: 1NO+1NC red	1	12	SVN 452	
	Latching push buttons					
		16 A - 250 V ~ without light indicator contact: 1NO	1	12	SVN 312	
		contact: 1NC	1	12	SVN 322	
		contacts: 2NO	1	12	SVN 332	
		contacts: 2NC	1	12	SVN 342	
		contacts: 1NO+1NC	1	12	SVN 352	
	 <p>SVN 422</p>		with indicator light : contact: 1 NO green	1	12	SVN 413
			contacts: 2 NO green	1	12	SVN 433

Indicator lights









Indicator lights and push buttons

These products are used for remote controlling signalisation of any event in any electric installation (domestic, tertiary & industrial)



LED technology providing longer life modernised appearance integrated label holder

Connection capacity :
- 10³ rigid,
- 6³ flexible

Standard conformity :
IEC 62094-1 for indicator lights

	Designation	Characteristics	Width in ■ 17,5 mm	Qty	Ref.
 <p>SVN 122 SVN 125 SVN 121 SVN 123 SVN 124</p>	Single indicator light 230 V ~ 	with light : green	1	12	SVN 121
		red	1	12	SVN 122
		orange	1	12	SVN 123
		blue	1	12	SVN 124
		color less	1	12	SVN 125
 <p>SVN 126</p>	Double indicator light 230 V ~ 	with light: green and red	1	12	SVN 126
 <p>SVN 127</p>	Triple indicator light 	with light: red	1	12	SVN 127
 <p>SVN 127</p>	Low voltage indicator lights 12 to 48 V AC/DC 	with light green	1	12	SVN 131
		red	1	12	SVN 132

Accessories for old indicator light range

	Designation	Characteristics	Qty.	Ref.
<p>SW 081 SW 082 SW 083</p>  <p>SW 084 SW 085</p>	Diffuser for use with previous SV and SW range	green	12	SW 081
		red	12	SW 082
		orange	12	SW 083
		color less	12	SW 084
		blue	12	SW 085
 <p>SW 104</p>	Lamps E 10 for previous SV and SW indicator lights	neon 230 V ~ 0,5 W - 10000 h	20	SW 104
		for red, orange, color less lights		
		fluorescent 230 V ~ 0,6 W - 10000 h	20	SW 103
		for gree and blu lights		
		incandescent 12 V ~ 0,9 W - 10000 h	20	SW 105
for all color				
		24 V ~ 0,9 W - 10000 h	20	SW 102
		48 to 60 V ~ 0,9 W (48V) 2000 h	20	SW 107

Electrical and mechanical characteristics

General features

Marque	Hager		
Part number	SVN1...	SVN4...	SVN3...
Designation	Indicator lights	Indicator lights + Push buttons	Push buttons
Standard	IEC62094-1		IEC60947-5-1
Light technology	LED light		

Electrical characteristics

Rated insulation voltage	250V		
Rated impulse withstand voltage	4kV (2kV for 12-48V version)		4kV
Operational voltage	230VAC (1)		
Frequency	50/60Hz		
Operational thermal current	n/a		16A
Operational current @ 230V AC12	n/a		16A
Operational current @230V AC14	n/a		10A
LED power	0,8W (230V) 0,33W (48V) 0,8W (24V)		
LED consumption	3,45mA (230V) 6,9mA (48V) 3,3mA (24C)		9,7mA (48VDC)4,6mA (24VDC) 2,1mA (12VDC)
Conditional short circuit current	n/a		1000A with gl 10A fuse
IP class		IP2X	
Degree of pollution		3	

Connecting

Type of connection	Cage terminals		
Connection capacity with flexible cable	0,75mm ² to 6mm ²		
Connection capacity with rigid cable	0,75m ² to 10m ²		
Terminal tightening torque	Mini : 1,3Nm ; Max 2Nm ; advised 1,65Nm rigid and 1,8Nm supple		
Case material	Thermoplastic (Polyamide) comply with IEC 695-2-2		

Mechanical characteristics

Electric endurance in number of cycles	n/a		15000 (AC12); 6000 (AC14)
Mechanical endurance in no. of operations	n/a		15000
Life time	100000h		
Operating temperature	-20 to +50°C		
Storage temperature	-40 to +80°C		
Climat environment	all climates		
Protection index IP	20		
Height	2000m		

Installation

Mounting	DIN rail EN50.022-35		
Mounting position	Performances not affected if installed vertically, horizontally or flat		

(1) except 12 to 48V indicator light (SVN131 and SVN132)