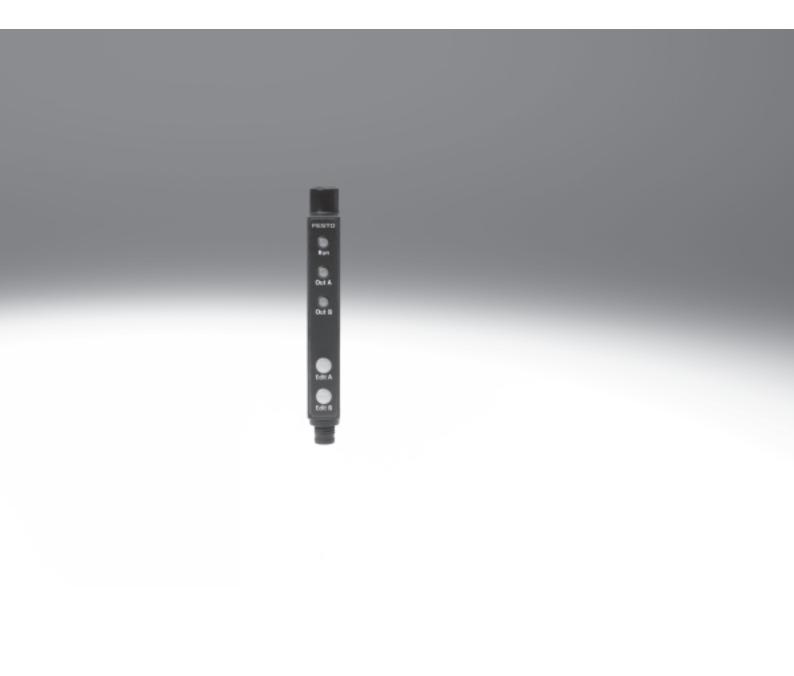
Signal converters SVE4

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Signal converters SVE4 Product range and peripherals overview

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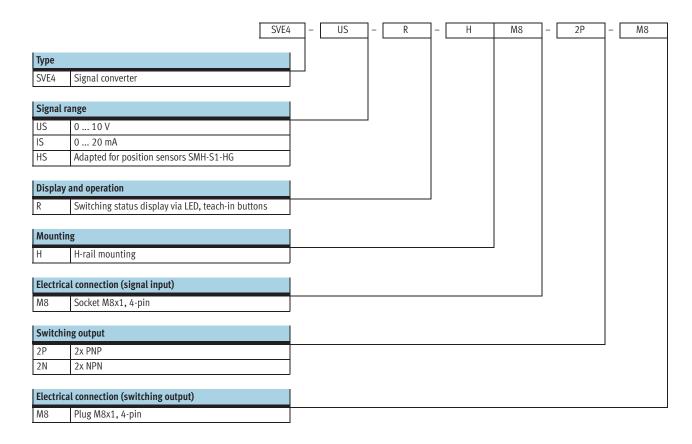
→ Page/ Internet

Product range overview								
Туре	Signal range	Switching output	Switching function	Electrical connection		→ Page/		
				Input	Output	Internet		
SVE4-US	0 10 V	2x PNP	Freely programmable	Socket M8x1,	Plug M8x1,	4		
SVE4-IS	0 20 mA	2x NPN		4-pin,	4-pin,			
SVE4-HS	Adapted for position sensors SMH-S1-HG			to EN 60947-5-2	to EN 60947-5-2			

Overview of peripherals Mounting attachments and accessories 1 1 Connecting cable for signal input NEBU Adapter plate SXE3-W Mounting rail to DIN EN 60715 NRH-35-2000 Connecting cable for switching output Inscription label holder SXE3 (included in the scope of delivery)

Signal converters SVE4 Type codes

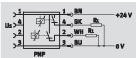




Signal converters SVE4 Technical data

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Function



E.g. with switching output 2x PNP and signal range 0 ... 10 V

- Switching function freely programmable
- Choice of switching functions (NO/NC)
- Switching points can be taught in
- Mounting via H-rail or adapter plate



General technical data					
Certification	cULus listed (OL)				
	C-Tick				
UL temperature rating [°C]	-20 60				
CE mark	To EU EMC Directive				
(see declaration of conformity) $^{1)}$					
Note on materials	Free of copper and PTFE				

1) For information about the applicability of the component see the manufacturer's EC declaration of conformity at: www.festo.com
Support
User documentation. If the component is subject to restrictions on usage in residential, office or commercial environments or small businesses, further measures to reduce the emitted interference may be necessary.

Input signal/measuring element						
Туре	SVE4-US	SVE4-IS	SVE4-HS			
Signal range	0 10 ± 0.3 V		Adapted for position sensors SMH-S1-HG			
Ambient temperature [°C]	-20 +70					

Switching output					
Switching output	2x PNP				
	2x NPN				
Switching function	Freely programmable				
Switching element function	Switchable				

Output, additional data				
Protection against short circuit	Pulsed			
Protection against overloading	Yes			

Electronic components						
Туре		SVE4-US	SVE4-IS	SVE4-HS		
Operating voltage range [V DC] 10 30						
Reverse polarity protection		For all electrical connections		For operating voltage and switching		
	outputs					

Electromechanical components				
Electrical connection, input	Socket M8x1, 4-pin, to EN 60947-5-2			
Electrical connection, output	Plug M8x1, 4-pin, to EN 60947-5-2			

Mechanical components					
Product weight [g]	19				
Information on housing materials	ABS				

Signal converters SVE4 Technical data

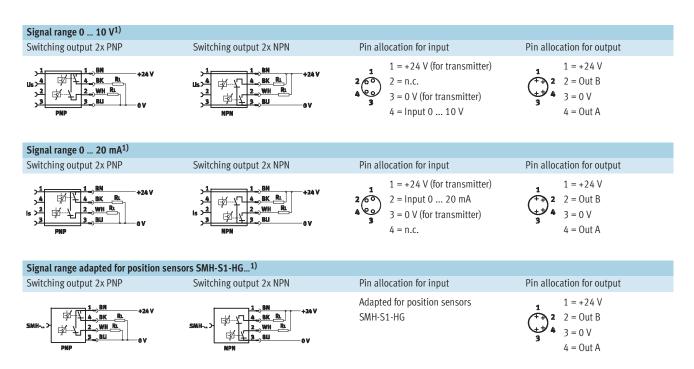




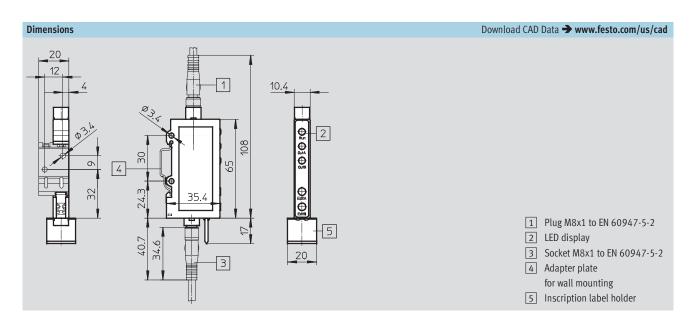
Display/operation	
Setting options	Teach-in

Immissions/emissions				
Protection class	IP65			
Corrosion resistance class CRC ¹⁾	2			

¹⁾ Corrosion resistance class 2 according to Festo standard 940 070 Components subject to moderate corrosion stress. Externally visible parts with primarily decorative surface requirements which are in direct contact with a normal industrial environment or media such as coolants or lubricating agents.



1) Core colours indicated apply when using plug sockets with cable NEBU-M8 or SIM-M8



Signal converters SVE4 Technical data



Ordering data					
Version	Signal range	Switching output PNP		Switching output NPN	
		Part No.	Туре	Part No.	Туре
0.00	0 10 ± 0.3 V	544217	SVE4-US-R-HM8-2P-M8	544220	SVE4-US-R-HM8-2N-M8
	0 20 ± 0.6 mA	544218	SVE4-IS-R-HM8-2P-M8	544221	SVE4-IS-R-HM8-2N-M8
	Adapted for position sensors SMH-S1-HG	544216	SVE4-HS-R-HM8-2P-M8	544219	SVE4-HS-R-HM8-2N-M8

Signal converters SVE4Accessories



Ordering data – C	Connecting cables fo	or signal input			Technical data → Internet: nebu
	Number of wires	Cable length [m]	Part No.	Туре	
M8x1, straight plu	ıg				
	4	2.5	554033	NEBU-M12G5-E-2.5-W3-M8G4-V2 ¹⁾	
W. The			554034	NEBU-M12G5-E-2.5-W2-M8G4-V1 ²⁾	
			554035	NEBU-M8G4-K-2.5-M8G4 ³⁾	
			554036	NEBU-M12G5-K-2.5-M8G4 ⁴⁾	
			554037	NEBU-M8G3-K-2.5-M8G4 ⁴⁾	

- For connecting signal converter SVE4-US to pressure transmitter SPTW-0-VD-M12.
 For connecting signal converter SVE4-IS to pressure transmitter SPTW-0-A-M12..
 For connecting to position transmitter SMAT-8M.

Ordering data – (Connecting cables fo	or switching outpu	t	Technical data → Internet: nebu
	Number of wires	Cable length [m]	Part No.	Туре
M8x1, straight so	cket			
	4	2.5	541342	NEBU-M8G4-K-2.5-LE4
05		5	541343	NEBU-M8G4-K-5-LE4
			•	
M8x1, angled soo	cket			
	4	2.5	541344	NEBU-M8W4-K-2.5-LE4
		5	541345	NEBU-M8W4-K-5-LE4

Note

User-friendly configurator for easy selection of connecting cables NEBU

→ www.festo.com/catalog

Ordering data					
	Part No.	Туре			
Adapter plate					
	540214	SXE3-W			
	•				
Mounting rail					
(E)	35430	NRH-35-2000			

Product Range and Company Overview

A Complete Suite of Automation Services

Our experienced engineers provide complete support at every stage of your development process, including: conceptualization, analysis, engineering, design, assembly, documentation, validation, and production.



Custom Automation Components Complete custom engineered solutions



Custom Control Cabinets Comprehensive engineering support and on-site services



Complete Systems Shipment, stocking and storage services

The Broadest Range of Automation Components

With a comprehensive line of more than 30,000 automation components, Festo is capable of solving the most complex automation requirements.



Electromechanical Electromechanical actuators, motors, controllers & drives



Pneumatics Pneumatic linear and rotary actuators, valves, and air supply



PLCs and I/O Devices PLC's, operator interfaces, sensors and I/O devices

Supporting Advanced Automation... As No One Else Can!

Festo is a leading global manufacturer of pneumatic and electromechanical systems, components and controls for industrial automation, with more than 12,000 employees in 56 national headquarters serving more than 180 countries. For more than 80 years, Festo has continuously elevated the state of manufacturing with innovations and optimized motion control solutions that deliver higher performing, more profitable automated manufacturing and processing equipment. Our dedication to the advancement of automation extends beyond technology to the education and development of current and future automation and robotics designers with simulation tools, teaching programs, and on-site services.

Quality Assurance, ISO 9001 and ISO 14001 Certifications

Festo Corporation is committed to supply all Festo products and services that will meet or exceed our customers' requirements in product quality, delivery, customer service and satisfaction.

To meet this commitment, we strive to ensure a consistent, integrated, and systematic approach to management that will meet or exceed the requirements of the ISO 9001 standard for Quality Management and the ISO 14001 standard for Environmental Management.



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