

CATALOGUE

(M18)

SVA 18 DC NPN NON FLUSH

SVA 18 DC PNP NON FLUSH

SVA 18 AC NO NON FLUSH

SVA 18 AC NC NON FLUSH

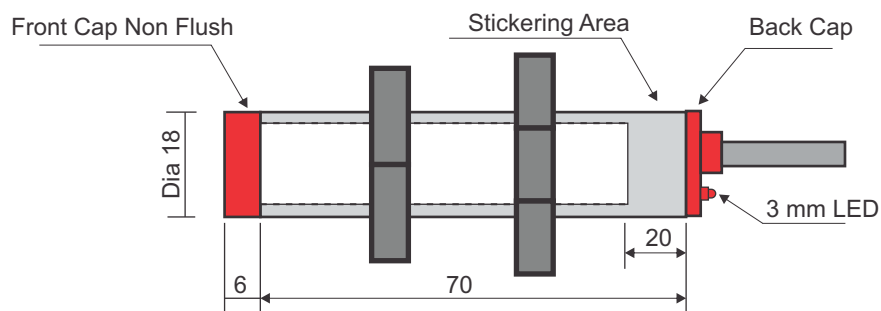
SVA 18 DC PNP FLUSH

SVA 18 DC NPN FLUSH

SVA 18 AC FLUSH

SVA 18 AC NO FLUSH

Dimensions



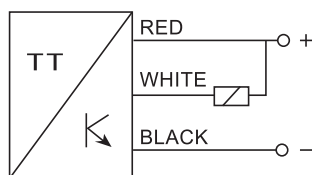
Model Number

SVA 18 DC NPN NON FLUSH

Features

- Standard Series
- 8 mm Sensing / Non Flush
- NPN, NO/NC
- 3 Wire DC

Connection



Technical Data

General Specifications

Output Logic/Switching Element Function NPN, NO / NC

Rated Operating Distance S_n 8 mm $\pm$ 10%

Type Non Flush

Nominal Ratings

Supply Voltage U_e 10-30 VDC

Frequency of Operating cycle f 1000 Hz

Hysteresis/Differential travel H <10%

Rated Operating Current I_e 500 mA

No-Load Supply Current I_o < 15 mA

Voltage Drop U_d < 2.2Vdc

OFF State Current I_r < 0.1mA

Rated Insulation Voltage U_i 75 Vdc

Utilization Category DC-13

Repeatability/ Repeat Accuracy R 0.1 mm

Protection Circuit Polarity Reversal

Function Indication LED

Ambient Conditions

Operating Temperature -25° C to +70° C

Mechanical Specifications

Connection Type Cable PVC, 3 Core - 2 Mtrs.

Core Cross-section 22 AWG

Housing Material Brass Housing with Nickel Plated

Sensing Face ABS - Red Color

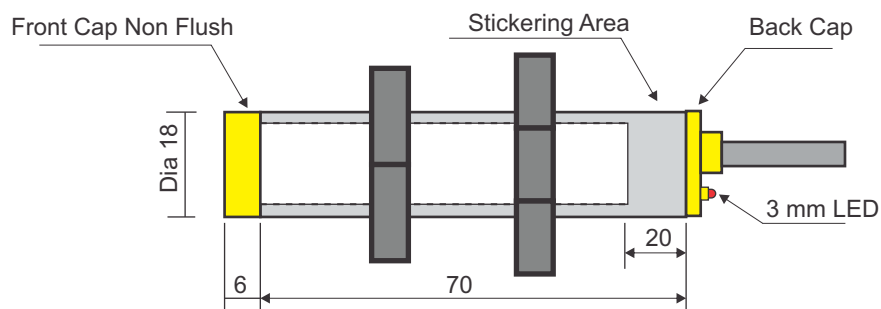
Degree of Protection IP67

Compliance with Standards and Directives

Standards Conformity EN 60947- 5-2

Approval CE

Dimensions



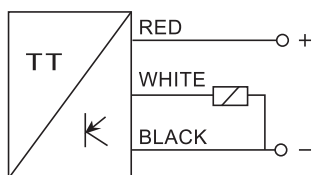
Model Number

SVA 18 DC PNP NON FLUSH

Features

- Standard Series
- 8 mm Sensing NonFlush
- PNP, NO/NC
- 3 Wire DC

Connection



Technical Data

General Specifications

Output Logic/Switching Element Function PNP, NO / NC

Rated Operating Distance S_n 8 mm $\pm$ 10%

Type Non Flush

Nominal Ratings

Supply Voltage U_e 10-30 VDC

Frequency of Operating cycle f 1000 Hz

Hysteresis/Differential travel **H** <10%

Rated Operating Current I_e 500 mA

No-Load Supply Current I_o < 15 mA

Voltage Drop U_d < 2.2Vdc

OFF State Current I_r < 0.1mA

Rated Insulation Voltage U_i 75 Vdc

Utilization Category DC-13

Repeatability/ Repeat Accuracy **R** 0.1 mm

Protection Circuit Polarity Reversal

Function Indication LED

Ambient Conditions

Operating Temperature -25° C to +70° C

Mechanical Specifications

Connection Type Cable PVC, 3 Core - 2 Mtrs.

Core Cross-section 22 AWG

Housing Material Brass Housing with Nickel Plated

Sensing Face ABS - Red Color

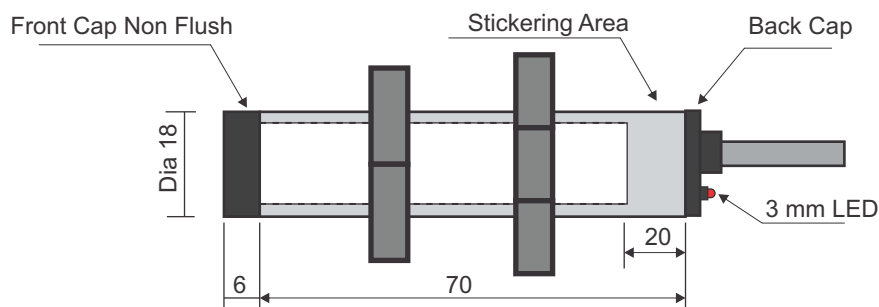
Degree of Protection IP67

Compliance with Standards and Directives

Standards Conformity EN 60947- 5-2

Approval CE

Dimensions



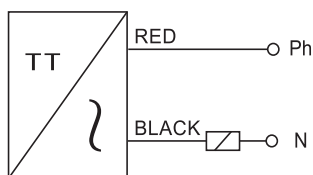
Model Number

SVA 18 AC NO NON FLUSH

Features

- Standard Series
- 8 mm Sensing NonFlush
- NO
- 2 Wire DC

Connection



Technical Data

General Specifications

Output Logic/Switching Element Function	NO
Rated Operating Distance	S_n 8 mm $\pm$ 10%
Type	Non Flush

Nominal Ratings

Supply Voltage	U_e 90-230 VDC
Frequency of Operating cycle	f 25 Hz
Hysteresis/Differential travel	H <10%
Rated Operating Current	I_e 500 mA
No-Load Supply Current	I_o < 15 mA
Voltage Drop	U_d < 2.2VAC
OFF State Current	I_r < 0.1mA
Rated Insulation Voltage	U_i 75 VAC
Utilization Category	AC-13
Repeatability/ Repeat Accuracy	R 0.1 mm
Protection Circuit	Polarity Reversal
Function Indication	LED

Ambient Conditions

Operating Temperature	-25° C to +70° C
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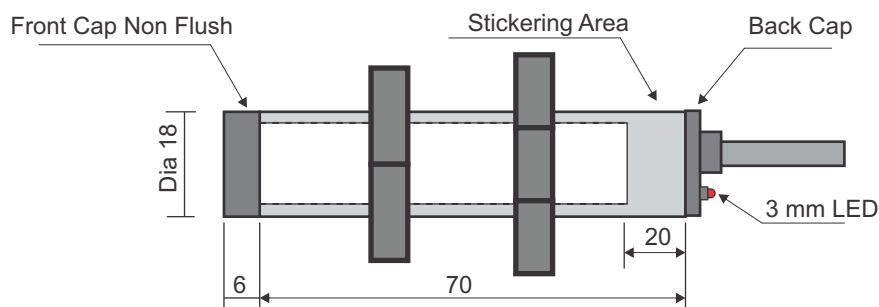
Mechanical Specifications

Connection Type	Cable PVC, 2 Core - 2 Mtrs.
Core Cross-section	22 AWG
Housing Material	Brass Housing with Nickel Plated
Sensing Face	ABS - Black Color
Degree of Protection	IP 65

Compliance with Standards and Directives

Standards Conformity	EN 60947- 5-2
Approval	CE

Dimensions



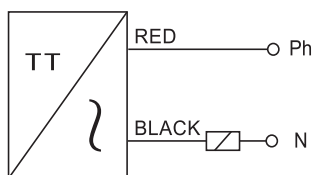
Model Number

SVA 18 AC NC NON FLUSH

Features

- Standard Series
- 8 mm Sensing NonFlush
- NC
- 2 Wire AC

Connection



Technical Data

General Specifications

Output Logic/Switching Element Function	NC
Rated Operating Distance	S_n 8 mm $\pm$ 10%
Type	Non Flush

Nominal Ratings

Supply Voltage	U_e	90-230 VDC
Frequency of Operating cycle	f	25 Hz
Hysteresis/Differential travel	H	<10%
Rated Operating Current	I_e	500 mA
No-Load Supply Current	I_o	< 15 mA
Voltage Drop	U_d	< 2.2VAC
OFF State Current	I_r	< 0.1mA
Rated Insulation Voltage	U_i	75 VAC
Utilization Category		AC-13
Repeatability/ Repeat Accuracy	R	0.1 mm
Protection Circuit		Polarity Reversal
Function Indication		LED

Ambient Conditions

Operating Temperature	-25° C to +70° C
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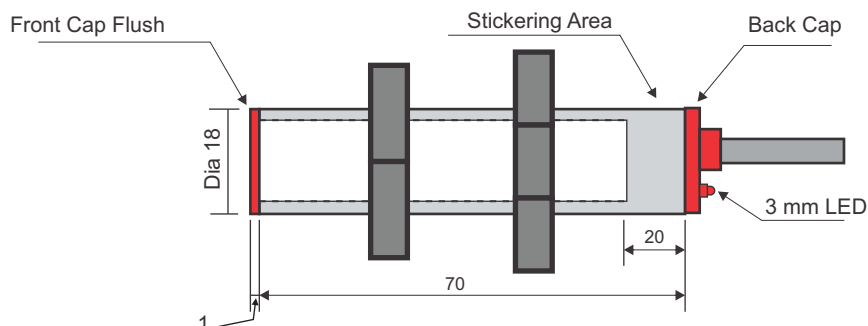
Mechanical Specifications

Connection Type	Cable PVC, 2 Core - 2 Mtrs.
Core Cross-section	22 AWG
Housing Material	Brass Housing with Nickel Plated
Sensing Face	ABS - Grey Color
Degree of Protection	IP 65

Compliance with Standards and Directives

Standards Conformity	EN 60947- 5-2
Approval	CE

Dimensions



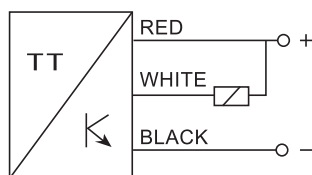
Model Number

SVA 18 DC NPN FLUSH

Features

- Standard Series
- 5 mm Sensing Flush
- NPN, NO/NC
- 3 Wire DC

Connection



Technical Data

General Specifications

Output Logic/Switching Element Function NPN, NO / NC

Rated Operating Distance S_n 5 mm $\pm$ 10%

Type Flush

Nominal Ratings

Supply Voltage U_e 10-30 VDC

Frequency of Operating cycle f 1000 Hz

Hysteresis/Differential travel H <10%

Rated Operating Current I_e 500 mA

No-Load Supply Current I_o < 15 mA

Voltage Drop U_d < 2.2Vdc

OFF State Current I_r < 0.1mA

Rated Insulation Voltage U_i 75 Vdc

Utilization Category DC-13

Repeatability/ Repeat Accuracy R 0.1 mm

Protection Circuit Polarity Reversal

Function Indication LED

Ambient Conditions

Operating Temperature -25° C to +70° C

Mechanical Specifications

Connection Type Cable PVC, 3 Core - 2 Mtrs.

Core Cross-section 22 AWG

Housing Material Brass Housing with Nickel Plated

Sensing Face ABS - Red Color

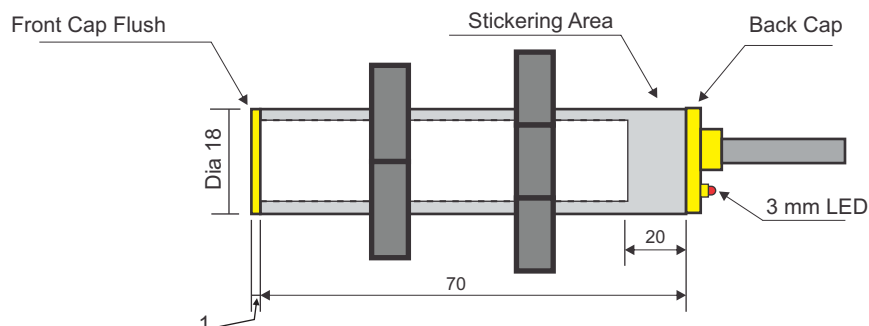
Degree of Protection IP67

Compliance with Standards and Directives

Standards Conformity EN 60947- 5-2

Approval CE

Dimensions



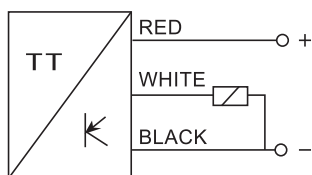
Model Number

SVA 18 DC PNP FLUSH

Features

- Standard Series
- 5 mm Sensing Flush
- PNP, NO/NC
- 3 Wire DC

Connection



Technical Data

General Specifications

Output Logic/Switching Element Function PNP, NO / NC

Rated Operating Distance S_n 5 mm $\pm$ 10%

Type Flush

Nominal Ratings

Supply Voltage U_e 10-30 VDC

Frequency of Operating cycle f 1000 Hz

Hysteresis/Differential travel H <10%

Rated Operating Current I_e 500 mA

No-Load Supply Current I_o < 15 mA

Voltage Drop U_d < 2.2Vdc

OFF State Current I_r < 0.1mA

Rated Insulation Voltage U_i 75 Vdc

Utilization Category DC-13

Repeatability/ Repeat Accuracy R 0.1 mm

Protection Circuit Polarity Reversal

Function Indication LED

Ambient Conditions

Operating Temperature -25° C to +70° C

Mechanical Specifications

Connection Type Cable PVC, 3 Core - 2 Mtrs.

Core Cross-section 22 AWG

Housing Material Brass Housing with Nickel Plated

Sensing Face ABS - Yellow Color

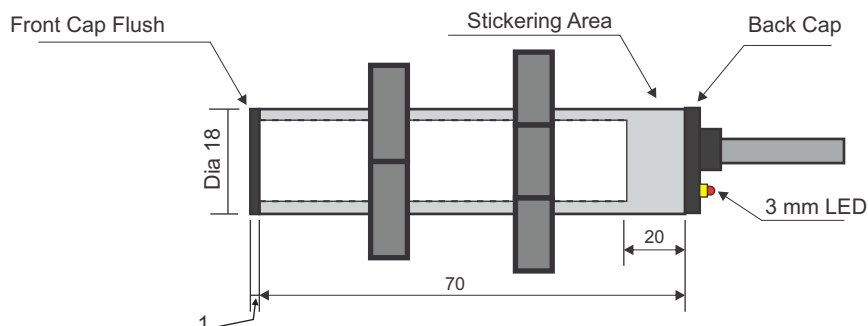
Degree of Protection IP67

Compliance with Standards and Directives

Standards Conformity EN 60947- 5-2

Approval CE

Dimensions



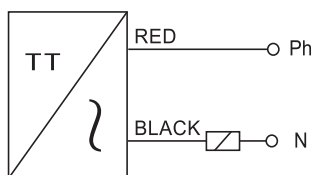
Model Number

SVA 18 AC NO FLUSH

Features

- Standard Series
- 5 mm Sensing Flush
- NO
- 2 Wire AC

Connection



Technical Data

General Specifications

Output Logic/Switching Element Function	NO
Rated Operating Distance	S_n 5 mm $\pm$ 10%
Type	Flush

Nominal Ratings

Supply Voltage	U_e	90-230 VAC
Frequency of Operating cycle	f	25 Hz
Hysteresis/Differential travel	H	<10%
Rated Operating Current	I_e	500 mA
No-Load Supply Current	I_o	< 15 mA
Voltage Drop	U_d	< 2.2VAC
OFF State Current	I_r	< 0.1mA
Rated Insulation Voltage	U_i	75 Vdc
Utilization Category		AC-13
Repeatability/ Repeat Accuracy	R	0.1 mm
Protection Circuit		Polarity Reversal
Function Indication		LED

Ambient Conditions

Operating Temperature	-25° C to +70° C
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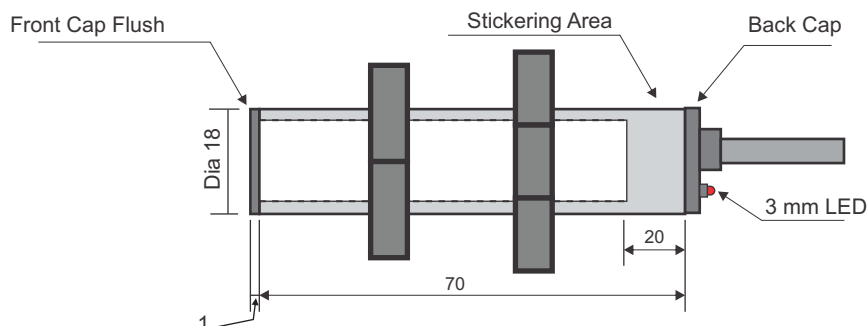
Mechanical Specifications

Connection Type	Cable PVC, 2 Core - 2 Mtrs.
Core Cross-section	22 AWG
Housing Material	Brass Housing with Nickel Plated
Sensing Face	ABS - Black Color
Degree of Protection	IP 65

Compliance with Standards and Directives

Standards Conformity	EN 60947- 5-2
Approval	CE

Dimensions



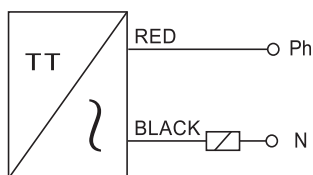
Model Number

SVA 18 AC NC FLUSH

Features

- Standard Series
- 5 mm Sensing Flush
- NC
- 2 Wire AC

Connection



Technical Data

General Specifications

Output Logic/Switching Element Function	NC
Rated Operating Distance	S_n 5 mm $\pm$ 10%
Type	Flush

Nominal Ratings

Supply Voltage	U_e	90-230 VAC
Frequency of Operating cycle	f	25 Hz
Hysteresis/Differential travel	H	<10%
Rated Operating Current	I_e	500 mA
No-Load Supply Current	I_o	< 15 mA
Voltage Drop	U_d	< 2.2VAC
OFF State Current	I_r	< 0.1mA
Rated Insulation Voltage	U_i	75 Vdc
Utilization Category		AC-13
Repeatability/ Repeat Accuracy	R	0.1 mm
Protection Circuit		Polarity Reversal
Function Indication		LED

Ambient Conditions

Operating Temperature	-25° C to +70° C
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Mechanical Specifications

Connection Type	Cable PVC, 2 Core - 2 Mtrs.
Core Cross-section	22 AWG
Housing Material	Brass Housing with Nickel Plated
Sensing Face	ABS - Grey Color
Degree of Protection	IP 65

Compliance with Standards and Directives

Standards Conformity	EN 60947- 5-2
Approval	CE