

### CATALOGUE

(FULL)















### **ABOUT SRI VAARII AUTOMATION**

After successfully establishing a market for proximity sensors through a nation-wide dealer's network, Vaarii has entered into the manufacturing of Transformers and Automation Panels With the addition of this product, the company is poised to record overall sales growth of a minimum of 125% in the current year. The quality control of Vaarii products starts from basic raw material and continues right up to all stages of production, down to the finished product testing & even to final usage, where we extend services to our customer in the proper handling of Inductive Proximity Sensors and other related products. We have steadily progressed over a strong infra structural base, which enables us to be stable and grow higher to reach the peak of success. Our well equipped factory enables us to manufacture products in-house with much ease and precision; helping us fabricate the best for our clients.

### **OUR PRODUCTS**

### **SENSORS**

- Proximity Sensors (Wire Type)
- Proximity Sensors (Plug in Type)
- Photoelectric Diffuse Scan Sensors
- Photoelectric Through Beam Sensors
- © Customized Special Sensors
- Sensor Cables

### TRANSFORMERS

- Textile Transformers ( 3 VA to 2 KVA )
- Special Purpose Transformers
- Customized Transformers

### **AUTOMATION PRODUCTS**

- Customized Automation
- © Customized Panels

### Principle of Operation

In Advanced Machine Control and Monitoring Systems, Contact less Detection of Metallic Targets is accomplished by Inductive Proximity Sensors. These Electronic Sensors Generate Clean Digital Signals in the Proximity Metallic Object Without any Contact Bounce Problems.

### **Sensing Distances**

The Published Nominal Sensing Distance Sn is Obtained by Using a Standard Square Target Made from 1mm Steel Material (EN 36) having a Side Length 'm' Equal to the Diameter 'd' of the Sensor Active Sensing Surface.

Spherical or Smaller Targets will Result in a Smaller Nominal Sensing Distance. Thin Foils or Larger Targets, on the Other Hand, will Slightly Increase the Sensing Distance

A List of Common Materials with their Correction Factors for the Sensing Distances Given

 $\begin{array}{cccc} & & & & & & & & & \\ Sensing \ Hypothesis & & & & & \\ & & & & & & \\ & & & & & \\ & & & & & \\ & & & & & \\ Stainless \ Steel & & & \\ & & & & \\ Aluminium & & & \\ & & & & \\ & & & & \\ & & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & & \\ & & \\ & & & \\ & &$ 

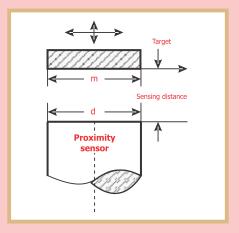
A Sensing Hysteresis is Incorporated in all Inductive Proximity Sensor for Reliable Operation. This is in Effect the Difference between the Sensing Activation Distance when the Target Moving Towards the Sensor and Sensing Deactivation Distance when Target is Moving away from the Sensor.

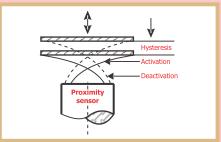
### **Sensor Mounting Techniques**

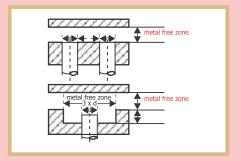
Shielded Proximity Sensor Flush Type can be Mounted in a Metallic Material Without of any Deterioration in Sensing Performance as Long as Active Sensor Surface Either Protrudes or is Mounted Flush with the Surface. If more than 1 Flush Type Sensors are Mounted Each Sensor Should have Minimum 1 Diameter Clearence Between Each Sensor. For Non Flush Type Sensors 3 Times the Diameter hasto be Maintained



### **Drawing Showing Mounting Techniques**







D.C. 014/7701170		
DC SWITCHES	SPECIFICATIONS	AC SWITCHES
5 - 30 V DC	Supply Voltage	90 - 230 V AC 50 Hz
10 mA	Current Consumption	6 mA
10%	Hysterisis	10%
0.3 V max	Voltage drop	6 - 10 V
-20°C to 60°C	Operating Temperature	-20°C to 60°C
-	Minimum Load Current	7 mA
200 mA	Maximum Load Current	250 mA
Red led	Function Indication	Red led
Chrome plated brass	Housing	Chrome plated brass
Fe = 1.0, Ch & Ni = 0.9	Sensing dis. Correction factors	Fe = 1.0, Ch & Ni = 0.9
2 KHz	Operating Frequency	20 Hz

### **INDUCTIVE TYPE PROXIMITY SENSORS**



2111	DOCITYE THE TROXES		CICITI
TYPE	MODEL	Sensing(mm)	CONTACT
	M 08 DC NPN FLUSH	1.0	NO / NC
	M 08 DC PNP FLUSH	1.0	NO / NC
TYPE	MODEL	Sensing(mm)	CONTACT
	M 08 DC NPN NON-FLUSH	2.0	NO / NC
	M 08 DC PNP NON-FLUSH	2.0	NO / NC
TYPE	MODEL	Sensing(mm)	CONTACT
	M 12 DC NPN FLUSH	2.0	NO / NC
LESS CONTROL OF THE PARTY OF TH	M 12 DC PNP FLUSH	2.0	NO / NC
Comments of the Comments of th	M 12 AC FLUSH	2.0	NO / NC
TYPE	MODEL	Sensing(mm)	CONTACT
	M 12 DC NPN NON-FLUSH	4.0	NO / NC
	M 12 DC PNP NON-FLUSH	4.0	NO / NC
- manual of	M 12 AC NON-FLUSH	4.0	NO / NC
TYPE	MODEL	Sensing(mm)	CONTACT
	M 18 DC NPN FLUSH	5.0	NO / NC
( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( ) ( )	M 18 DC PNP FLUSH	5.0	NO / NC
301	M 18 AC FLUSH	5.0	NO / NC
TYPE	MODEL	Sensing(mm)	CONTACT
<u></u>	M 18 DC PNP NON-FLUSH	8.0	NO / NC
S. I	M 18 DC NPN NON-FLUSH	8.0	NO / NC
	M 18 AC NON-FLUSH	8.0	NO / NC
TYPE	MODEL	Sensing(mm)	CONTACT
1770	M 30 DC NPN FLUSH	10.0	NO / NC
	M 30 DC PNP FLUSH	10.0	NO / NC
W	M 30 AC FLUSH	10.0	NO / NC
TYPE	MODEL	Sensing(mm)	CONTACT
0	M 30 DC NPN NON-FLUSH	15.0	NO / NC
300	M 30 DC PNP NON-FLUSH	15.0	NO / NC
	M 30 AC NON-FLUSH	15.0	NO / NC
TYPE	MODEL	Sensing(mm)	CONTACT
	M 36 DC NPN FLUSH	15.0	NO / NC
3	M 36 DC PNP FLUSH	15.0	NO / NC
(U	M 36 AC FLUSH	15.0	NO / NC
TYPE	MODEL	Sensing(mm)	CONTACT
Chester	M 36 DC NPN NON-FLUSH	15.0	NO / NC
-81	M 36 DC PNP NON-FLUSH	15.0	NO / NC
	M 36 AC NON-FLUSH	15.0	NO / NC
TYPE	MODEL	Sensing(mm)	CONTACT
	M 12 CONNECTOR NPN FLUSH	2.0	NO / NC
	M 12 CONNECTOR PNP FLUSH	2.0	NO / NC
TYPE	MODEL	Sensing(mm)	CONTACT
	M 18 CONNECTOR NPN NON-FLUSH	8.0	NO / NC
	M 18 CONNECTOR PNP NON-FLUSH	8.0	NO / NC

\* Special sizes are available on request



### M8 CONNECTOR M8 NPN FLUSH M8 PNP FLUSH

CABLE	MODEL	
(6)	2 Mtrs	
	3 Mtrs	
W	5 Mtrs	

AUTO START	MODEL	
200000000	Compressor 7 min	
21 (1997)	Submersible 25 sec	

RAPID STOP	MODEL	
	RAPID STOP	

PANEL TIMER	MODEL	
	Seconds - On / Off	
	Minutes - On / Off	

ENCODER	MODEL
	10 - 90 PPR
	100 - 500 PPR
<i>P</i>	600 - 1500 PPR

ELECTRONIC T	IMER MODEL	
Description of the second	SVT 01S Seconds - On / Off	
	SVT 01M Minutes - On / Off	



SLEEK TIMER	MODEL
	SVT 02S - Seconds On / Off
100	SVT 02M - Minutes On / Off
	SVT 04 - Selectable On / Off
	Economical Model - 1 C/O





# CATALOGUE (M08)

SVA 08 DC NPN NON FLUSH SVA 08 DC PNP NON FLUSH SVA 08 DC NPN FLUSH SVA 08 DC PNP FLUSH

**Technical Data General Specifications** 

Connection Type

Sensing Face

Approval

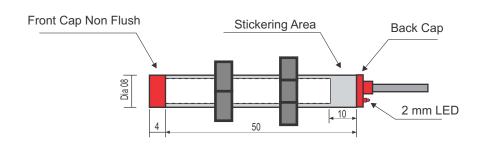
Core Cross-section
Housing Material

Degree of Protection

Standards Conformity

**Compliance with Standards and Directives** 

Output Logic/Switching Element Function



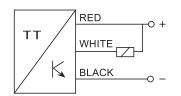
### **Model Number**

SVA 08 DC NPN NON FLUSH

### **Features**

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

### **Connection**



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Rated Operating Distance	$S_n$	$1.5 \text{ mm} \pm 10\%$	
Туре		Non Flush	
Nominal Ratings			
Supply Voltage	$U_{e}$	10-30 VDC	
Frequency of Operating cycle	f	2000 Hz	
Hysteresis/Differential travel	Н	<10%	
Rated Operating Current	$I_{e}$	500 mA	
No-Load Supply Current	$I_{o}$	< 15 mA	
Voltage Drop	$U_{d}$	< 2.2V dc	
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			

22 AWG

IP67

CE

ABS - Red Color

EN 60947- 5-2

Cable PVC, 3 Core - 2 Mtrs.

Brass Housing with Nickel Plated

NPN, NO / NC





**Technical Data** 

Utilization Category

Protection Circuit

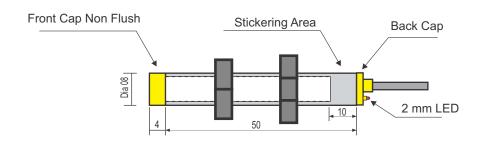
Function Indication

**Ambient Conditions** 

Operating Temperature

Repeatability/ Repeat Accuracy

**General Specifications** 



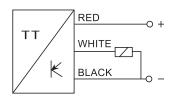
### **Model Number**

SVA 08 DC PNP NON FLUSH

### **Features**

- · Standard Series
- 1.5 mm Sensing Non Flush
- PNP, NO/NC
- 3 Wire DC

### **Connection**



Output Logic/Switching Element F	unction	PNP, NO / NC
Rated Operating Distance	$S_n$	$1.5 \text{ mm} \pm 10\%$
Туре		Non Flush
Nominal Ratings		
Supply Voltage	$U_{e}$	10-30 VDC
Frequency of Operating cycle	f	2000 Hz
Hysteresis/Differential travel	н	<10%
Rated Operating Current	$I_{e}$	500 mA
No-Load Supply Current	$I_{o}$	< 15 mA
Voltage Drop	$U_{d}$	< 2.2V dc
OFF State Current	$I_r$	< 0.1mA
Rated Insulation Voltage	Ui	75 Vdc

DC-13

 $0.1 \; \text{mm}$ 

LED

Polarity Reversal

-25° C to +70° C

**Mechanical Specifications** Connection Type Cable PVC, 3 Core - 2 Mtrs. 22 AWG Core Cross-section

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Brass Housing with Nickel Plated Housing Material Sensing Face ABS - Yellow Color

Degree of Protection IP67

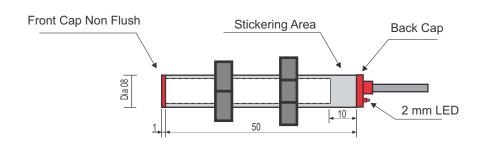
**Compliance with Standards and Directives** 

Standards Conformity EN 60947- 5-2

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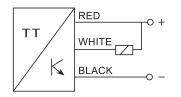
### **Model Number**

SVA 08 DC NPN FLUSH

### **Features**

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

### Connection



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### **General Specifications**

General Specifications		
Output Logic/Switching Element Fu	nction	NPN, NO / NC
Rated Operating Distance	S <sub>n</sub>	1 mm ± 10%
Туре		Flush
Nominal Ratings		
Supply Voltage	$\mathrm{U}_{e}$	10-30 VDC
Frequency of Operating cycle	f	2000 Hz
Hysteresis/Differential travel	Н	<10%
Rated Operating Current	$I_{e}$	500 mA
No-Load Supply Current	$I_{o}$	< 15 mA
Voltage Drop	$\mathrm{U}_{d}$	< 2.2V dc
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
<b>Ambient Conditions</b>		
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

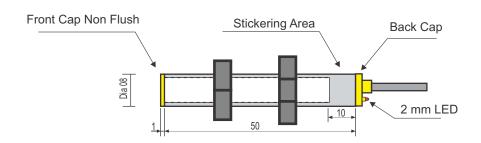
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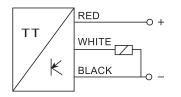
### **Model Number**

SVA 08 DC PNP FLUSH

### **Features**

- · Standard Series
- 1 mm Sensing Non Flush
- PNP, NO/NC
- 3 Wire DC

### **Connection**



General Specifications
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General Specifications			
Output Logic/Switching Element F	unction	PNP, NO / NC	
Rated Operating Distance	S <sub>n</sub>	$1 \text{ mm} \pm 10\%$	
Type		Flush	
Nominal Ratings			
Supply Voltage	$U_{e}$	10-30 VDC	
Frequency of Operating cycle	f	2000 Hz	
Hysteresis/Differential travel	н	<10%	
Rated Operating Current	$I_{e}$	500 mA	
No-Load Supply Current	$I_{o}$	< 15 mA	
Voltage Drop	$U_{\text{d}}$	< 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	
<b>Ambient Conditions</b>			

Operating '	Т

-25° C to +70° C Operating Temperature

### **Mechanical Specifications**

Connection Type Cable PVC, 3 Core - 2 Mtrs.

22 AWG Core Cross-section

Brass Housing with Nickel Plated Housing Material

Sensing Face ABS - Yellow Color

Degree of Protection IP67

### **Compliance with Standards and Directives**

Standards Conformity EN 60947- 5-2

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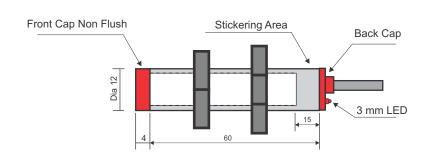
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# CATALOGUE (M12)

SVA 12 DC NPN NON FLUSH
SVA 12 DC PNP NON FLUSH
SVA 12 AC NO NON FLUSH
SVA 12 AC NC NON FLUSH

SVA 12 DC PNP FLUSH
SVA 12 DC NPN FLUSH
SVA 12 AC FLUSH
SVA 12 AC NO FLUSH



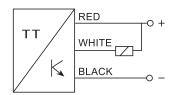
### **Model Number**

SVA 12 DC NPN NON FLUSH

### **Features**

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

### **Connection**



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General Specifications	
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Output Logic/Switching Elemen	nt Function	NPN, NO / NC
Rated Operating Distance S <sub>n</sub>		$4~mm\pm10\%$
Type		Non Flush

Туре		Non Flush	
Nominal Ratings			
Supply Voltage	$\mathrm{U}_{e}$	10-30 VDC	
Frequency of Operating cycle	f	1000 Hz	
Hysteresis/Differential travel	н	<10%	
Rated Operating Current	$I_{e}$	500 mA	
No-Load Supply Current	$I_{o}$	< 15 mA	
Voltage Drop	$U_{\text{d}}$	< 2.2V dc	
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		

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Standards Conformity EN 60947- 5-2

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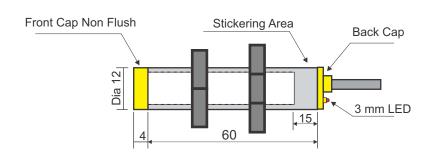


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**Technical Data** 

**General Specifications** 



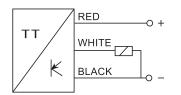
### **Model Number**

SVA 12 DC PNP NON FLUSH

### **Features**

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

### **Connection**



Output Logic/Switching Element Function		PNP, NO / NC	
Rated Operating Distance	$S_n$	$4 \text{ mm} \pm 10\%$	
Туре		Non Flush	
Nominal Ratings			
Supply Voltage	$U_{e}$	10-30 VDC	
Frequency of Operating cycle	f	1000 Hz	
Hysteresis/Differential travel	Н	<10%	
Rated Operating Current	$I_{e}$	500 mA	
No-Load Supply Current	$I_{o}$	< 15 mA	
Voltage Drop	$\mathrm{U}_{d}$	< 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	
<b>Mechanical Specifications</b>			
Connection Type		Cable PVC, 3 Core - 2 Mtrs.	
Core Cross-section		22 AWG	

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198422-90075, +91 88070-56000

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**Compliance with Standards and Directives** 

Housing Material

Degree of Protection

Standards Conformity

Sensing Face

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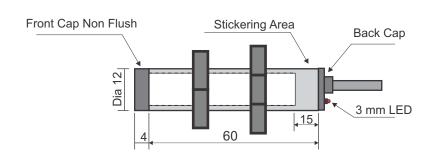
Brass Housing with Nickel Plated

ABS - Yellow Color

EN 60947- 5-2

IP67

CE



<10%

75 Vdc

IP 65

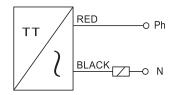
### **Model Number**

SVA 12 AC NO NON FLUSH

### **Features**

- · Standard Series
- 4 mm Sensing Non Flush
- NC
- 2 Wire DC

### **Connection**



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General	Specifi	cations
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Hysteresis/Differential travel

Output Logic/Switching Element Function		NC
Rated Operating Distance	$S_n$	$4~mm\pm10\%$
Type Non Flush		
Nominal Ratings		
Supply Voltage	$\mathrm{U}_{e}$	90-230 VAC
Frequency of Operating cycle	f	25 Hz

н

 $U_{i}$ 

Rated Operating Current Ļ 500 mA No-Load Supply Current < 15 mA Voltage Drop  $U_{\text{\scriptsize d}}$ < 2.2VAC OFF State Current < 0.1mA  $I_r$ 

AC-13 Utilization Category Repeatability/ Repeat Accuracy R 0.1 mm Protection Circuit Polarity Reversal

Function Indication LED

**Ambient Conditions** 

Rated Insulation Voltage

-25° C to +70° C Operating Temperature

**Mechanical Specifications** 

Connection Type Cable PVC, 2 Core - 2 Mtrs.

22 AWG Core Cross-section

Brass Housing with Nickel Plated Housing Material

Sensing Face ABS - Grey Color

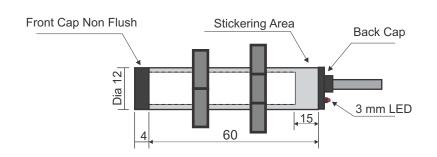
Degree of Protection **Compliance with Standards and Directives** 

Standards Conformity EN 60947- 5-2

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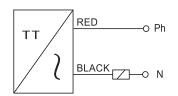
### **Model Number**

SVA 12 AC NO NON FLUSH

### **Features**

- · Standard Series
- 4 mm Sensing Non Flush
- NO
- 2 Wire DC

### **Connection**



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General	Specifications	
Output L	ogic/Switching	Ele

	Output Logic/Switching Element Function		NO
Rated Operating Distance S <sub>n</sub>		S <sub>n</sub>	$4~mm\pm10\%$
	Туре		Non Flush

### Nominal Ratings

Nominal Ratings			
Supply Voltage	$\mathrm{U}_{e}$	90-230 VAC	
Frequency of Operating cycle	f	25 Hz	
Hysteresis/Differential travel	Н	<10%	
Rated Operating Current	$I_{e}$	500 mA	
No-Load Supply Current	$I_{o}$	< 15 mA	
Voltage Drop	$\mathrm{U}_{d}$	< 2.2VAC	
OFF State Current	$I_r$	< 0.1mA	
Rated Insulation Voltage	$U_{i}$	75 V dc	
Utilization Category		AC-13	
Repeatability/ Repeat Accuracy	R	0.1 mm	
Protection Circuit		Polarity Reversal	
Function Indication		LED	
<b>Ambient Conditions</b>			
Operating Temperature		-25° C to +70° C	
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	

IP 65

**Compliance with Standards and Directives** 

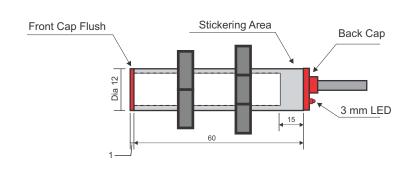
Degree of Protection

Standards Conformity EN 60947- 5-2

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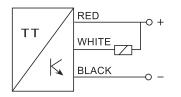
### **Model Number**

SVA 12 DC NPN FLUSH

### **Features**

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

### **Connection**



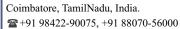
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General Specifications	
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Output Logic/Switching Element Function		NPN, NO / NC
Rated Operating Distance	$S_n$	$2~mm\pm10\%$
Гуре		Flush

Rated Operating Distance	$S_n$	$2 \text{ mm} \pm 10\%$
Туре		Flush
Nominal Ratings		
Supply Voltage	$U_{e}$	10-30 VDC
Frequency of Operating cycle	f	1000 Hz
Hysteresis/Differential travel	Н	<10%
Rated Operating Current	$I_{e}$	500 mA
No-Load Supply Current	$I_{o}$	< 15 mA
Voltage Drop	$\mathrm{U}_{d}$	< 2.2V dc
OFF State Current	Ir	< 0.1mA
Rated Insulation Voltage	$U_{i}$	75 V dc
Utilization Category		DC-13
Repeatability/ Repeat Accuracy	R	0.1 mm
Protection Circuit		Polarity Reversal
Function Indication		LED
<b>Ambient Conditions</b>		
Operating Temperature		-25° C to +70° C
<b>Mechanical Specifications</b>		
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 I	Directives	
Standards Conformity		EN 60947- 5-2

CE



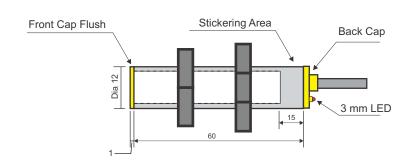
vaariiauto@gmail.com

Approval



**Technical Data** 

**General Specifications** 



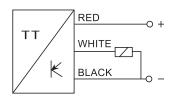
### **Model Number**

SVA 12 DC PNP FLUSH

### **Features**

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

### **Connection**



Output Logic/Switching Element F	unction	PNP, NO / NC
Rated Operating Distance	$S_n$	$2 \text{ mm} \pm 10\%$
Туре		Flush
Nominal Ratings		
Supply Voltage	$\mathrm{U}_{e}$	10-30 VDC
Frequency of Operating cycle	f	1000 Hz
Hysteresis/Differential travel	Н	<10%
Rated Operating Current	$I_{e}$	500 mA
No-Load Supply Current	Io	< 15 mA
Voltage Drop	$\mathrm{U}_{d}$	< 2.2V dc
OFF State Current	$I_r$	< 0.1mA
Rated Insulation Voltage	$U_{i}$	75 V dc
Utilization Category		DC-13
Repeatability/ Repeat Accuracy	R	0.1 mm
Protection Circuit		Polarity Reversal
Function Indication		LED
<b>Ambient Conditions</b>		
Operating Temperature		-25° C to +70° C
<b>Mechanical Specifications</b>		
Connection Type		Cable PVC, 3 Core - 2 Mtrs.
Core Cross-section		22 AWG



**Compliance with Standards and Directives** 

Housing Material Sensing Face

Degree of Protection

Standards Conformity

Approval



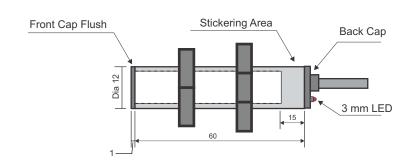
Brass Housing with Nickel Plated

ABS - Yellow Color

EN 60947- 5-2

IP67

CE



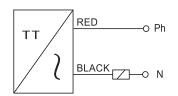
### **Model Number**

SVA 12 AC NO FLUSH

### **Features**

- · Standard Series
- 2 mm Sensing Flush
- NC
- 2 Wire DC

### **Connection**



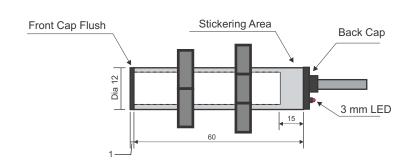
General	<b>Specifications</b>
General	Specifications

Output Logic/Switching Element Function		NC
Rated Operating Distance S <sub>n</sub>		$2~mm\pm10\%$
True		Elizab

Rated Operating Distance	$S_n$	$2 \text{ mm} \pm 10\%$
Туре		Flush
Nominal Ratings		
Supply Voltage	$U_{e}$	90-230 VAC
Frequency of Operating cycle	f	25 Hz
Hysteresis/Differential travel	Н	<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	Ir	< 0.1mA
Rated Insulation Voltage	Ui	75 V dc
Utilization Category		AC-13
Repeatability/ Repeat Accuracy	R	0.1 mm
Protection Circuit		Polarity Reversal
Function Indication		LED
<b>Ambient Conditions</b>		
Operating Temperature		-25° C to +70° C
<b>Mechanical Specifications</b>		
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

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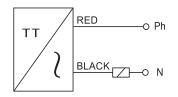
### **Model Number**

SVA 12 AC NO FLUSH

### **Features**

- · Standard Series
- 2 mm Sensing Flush
- NO
- 2 Wire DC

### **Connection**



Tec	hnica	l Data

General Sp	pecifications
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Output Logic/Switching Element Function		NC
Rated Operating Distance	$S_n$	$2~mm\pm10\%$
Trues		Elizab

Type		Flush	
Nominal Ratings			
Supply Voltage	$U_{e}$	90-230 VAC	
Frequency of Operating cycle	f	25 Hz	
Hysteresis/Differential travel	Н	<10%	
Rated Operating Current	$I_{e}$	500 mA	
No-Load Supply Current	$I_{o}$	< 15 mA	
Voltage Drop	$U_{\text{d}}$	< 2.2VAC	
OFF State Current	$I_r$	< 0.1mA	
Rated Insulation Voltage	$U_{i}$	75 V dc	
Utilization Category		AC-13	
Repeatability/ Repeat Accuracy	R	0.1 mm	
Protection Circuit		Polarity Reversal	
Function Indication		LED	
<b>Ambient Conditions</b>			
Operating Temperature		-25° C to +70° C	
<b>Mechanical Specifications</b>			
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		

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Standards Conformity

Approval

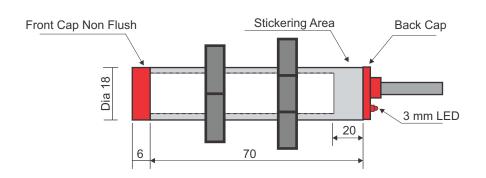




# CATALOGUE (M18)

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



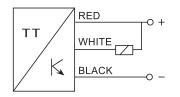
### **Model Number**

SVA 18 DC NPN NON FLUSH

### **Features**

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

### **Connection**



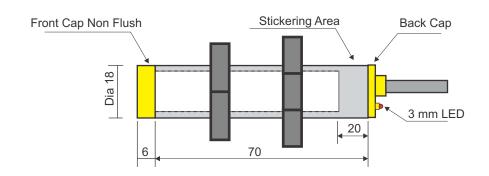
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General	Specifi	cations
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General Specifications		
Output Logic/Switching Element F	unction	NPN, NO / NC
Rated Operating Distance	$S_n$	$8 \text{ mm} \pm 10\%$
Туре		Non Flush
Nominal Ratings		
Supply Voltage	$\mathrm{U}_{e}$	10-30 VDC
Frequency of Operating cycle	f	1000 Hz
Hysteresis/Differential travel	Н	<10%
Rated Operating Current	$I_{e}$	500 mA
No-Load Supply Current	$I_{o}$	< 15 mA
Voltage Drop	$\mathrm{U}_{d}$	< 2.2V dc
OFF State Current	$I_r$	< 0.1mA
Rated Insulation Voltage	$U_{i}$	75 V dc
Utilization Category		DC-13
Repeatability/ Repeat Accuracy	R	0.1 mm
Protection Circuit		Polarity Reversal
Function Indication		LED
<b>Ambient Conditions</b>		
Operating Temperature		-25° C to +70° C
<b>Mechanical Specifications</b>		
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







1000 Hz

75 Vdc

IP67

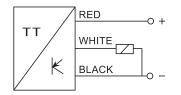
### **Model Number**

SVA 18 DC PNP NON FLUSH

### **Features**

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

### **Connection**



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Frequency of Operating cycle

Output Logic/Switching Element Function		PNP, NO / NC
Rated Operating Distance S <sub>n</sub>		$8~mm\pm10\%$
Туре		Non Flush
Nominal Ratings		
Supply Voltage	$\mathrm{U_{e}}$	10-30 VDC

f

 $U_{i}$ 

Hysteresis/Differential travel	Н	<10%
Rated Operating Current	$I_{\rm e}$	500 mA
No-Load Supply Current	$I_{o}$	< 15 mA
Voltage Drop	$\mathrm{U}_{d}$	< 2.2Vdc
OFF State Current	Ir	< 0.1mA

DC-13 Utilization Category Repeatability/ Repeat Accuracy R 0.1 mm Protection Circuit Polarity Reversal

Function Indication LED

**Ambient Conditions** 

Rated Insulation Voltage

-25° C to +70° C Operating Temperature

**Mechanical Specifications** 

Connection Type Cable PVC, 3 Core - 2 Mtrs.

22 AWG Core Cross-section

Brass Housing with Nickel Plated Housing Material

Sensing Face ABS - Red Color

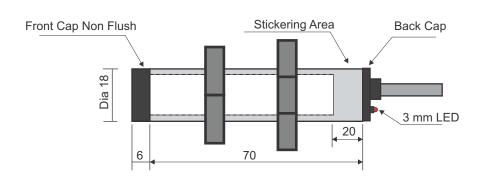
Degree of Protection **Compliance with Standards and Directives** 

EN 60947- 5-2 Standards Conformity

Approval CE



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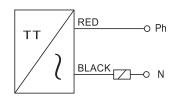
### **Model Number**

SVA 18 AC NO NON FLUSH

### **Features**

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

### Connection



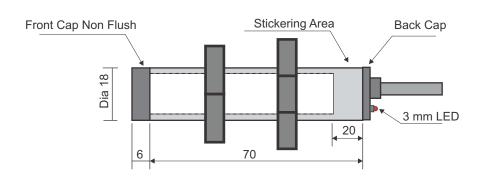
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General	<b>Specifications</b>
Other ar	Specifications

Output Logic/Switching Element Function		NO
Rated Operating Distance	S <sub>n</sub>	$8~mm\pm10\%$
Туре		Non Flush

Rated Operating Distance	S <sub>n</sub>	$8 \text{ mm} \pm 10\%$
Туре		Non Flush
Nominal Ratings		
Supply Voltage	$\mathrm{U}_{e}$	90-230 VDC
Frequency of Operating cycle	f	25 Hz
Hysteresis/Differential travel	Н	<10%
Rated Operating Current	$I_{e}$	500 mA
No-Load Supply Current	$I_{o}$	< 15 mA
Voltage Drop	$\mathrm{U}_{d}$	< 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
<b>Ambient Conditions</b>		
Operating Temperature		-25° C to +70° C
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 I	Directives	
Standards Conformity		EN 60947- 5-2
Approval		CE





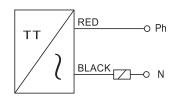
### **Model Number**

SVA 18 AC NC NON FLUSH

### **Features**

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

### Connection



T'ec	hnica	l Data

General St	ecifications
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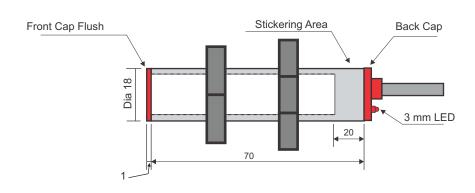
Output Logic/Switching Element Function		NC
Rated Operating Distance	$S_n$	$8~mm\pm10\%$
Type		Non Flush

ranta optiming Distant	~ n	C IIIII = 1070	
Туре		Non Flush	
Nominal Ratings			
Supply Voltage	$\mathrm{U}_{e}$	90-230 VDC	
Frequency of Operating cycle	f	25 Hz	
Hysteresis/Differential travel	Н	<10%	
Rated Operating Current	$I_{e}$	500 mA	
No-Load Supply Current	$I_{o}$	< 15 mA	
Voltage Drop	$U_{\text{d}}$	< 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	
<b>Ambient Conditions</b>			
Operating Temperature		-25° C to +70° C	
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	









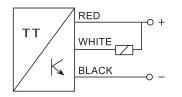
### **Model Number**

SVA 18 DC NPN FLUSH

### **Features**

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

### **Connection**



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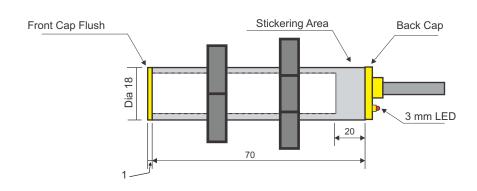
General	Specifications
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N'I.D('			
	Туре		Flush
	Rated Operating Distance S <sub>n</sub>		$5~mm\pm10\%$
	Output Logic/Switching Element Fur	nction	NPN, NO / NC

Rated Operating Distance	S <sub>n</sub>	$5 \text{ mm} \pm 10\%$
Туре		Flush
Nominal Ratings		
Supply Voltage	$U_{e}$	10-30 VDC
Frequency of Operating cycle	f	1000 Hz
Hysteresis/Differential travel	Н	<10%
Rated Operating Current	$I_{e}$	500 mA
No-Load Supply Current	$I_{o}$	< 15 mA
Voltage Drop	$U_{d}$	< 2.2V dc
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

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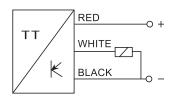
### **Model Number**

SVA 18 DC PNP FLUSH

### **Features**

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

### **Connection**



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General Specifications
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Hysteresis/Differential travel

Output Logic/Switching Element Fun	nction	PNP, NO / NC
Rated Operating Distance	$S_n$	$5 \text{ mm} \pm 10\%$
Туре		Flush
Nominal Ratings		
Supply Voltage	$U_{e}$	10-30 VDC
Frequency of Operating cycle	f	1000 Hz

<10%

Rated Operating Current	$I_{e}$	500 mA
No-Load Supply Current	$I_{o}$	< 15 mA
Voltage Drop	$\mathrm{U}_{d}$	< 2.2Vdc
OFF State Current	$I_r$	< 0.1mA
Rated Insulation Voltage	Ui	75 V dc

н

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

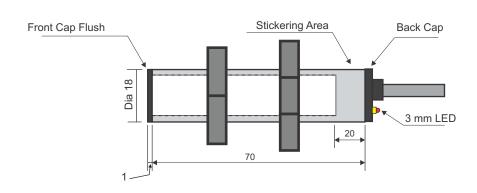
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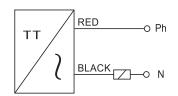
### **Model Number**

SVA 18 AC NO FLUSH

### **Features**

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

### **Connection**



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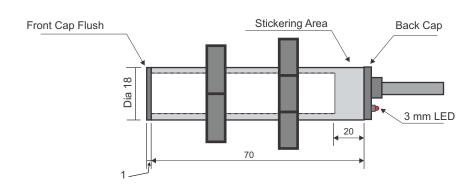
General Sp	pecifications
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Output Logic/Switching Eleme	nt Function	NO
Rated Operating Distance	S <sub>n</sub>	$5~mm\pm10\%$
Type		Flush

1 0		
Rated Operating Distance	$S_n$	$5 \text{ mm} \pm 10\%$
Туре		Flush
Nominal Ratings		
Supply Voltage	$U_{e}$	90-230 VAC
Frequency of Operating cycle	f	25 Hz
Hysteresis/Differential travel	Н	<10%
Rated Operating Current	$I_{e}$	500 mA
No-Load Supply Current	$I_{o}$	< 15 mA
Voltage Drop	$\mathrm{U}_{d}$	< 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
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

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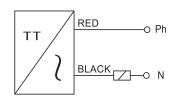
### **Model Number**

SVA 18 AC NC FLUSH

### **Features**

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

### **Connection**



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dener ar Specifications	General	<b>Specifications</b>	
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Output Logic/Switching Elemen	t Function	NC
Rated Operating Distance	$S_n$	$5~mm\pm10\%$
True		Elwah

Туре		Flush
Nominal Ratings		
Supply Voltage	$U_{e}$	90-230 VAC
Frequency of Operating cycle	f	25 Hz
Hysteresis/Differential travel	н	<10%
Rated Operating Current	$I_{e}$	500 mA
No-Load Supply Current	Io	< 15 mA
Voltage Drop	$\mathrm{U}_{d}$	< 2.2VAC
OFF State Current	Ir	< 0.1mA
Rated Insulation Voltage	Ui	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
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 I	Directives	

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Standards Conformity

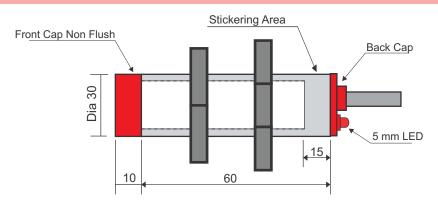
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# CATALOGUE (M30)

SVA 30 DC NPN NON FLUS15 SVA 30 DC PNP NON FLUSH SVA 30 DC NPN FLUSH SVA 30 DC PNP FLUSH



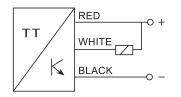
### **Model Number**

SVA 30 DC NPN NON FLUSH

### **Features**

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

### **Connection**



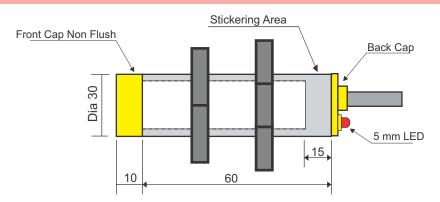
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General	Specifi	cations
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General Specifications						
Output Logic/Switching Element F	unction	NPN, NO / NC				
Rated Operating Distance	$S_n$	$15~\text{mm} \pm 10\%$				
Туре		Non Flush				
Nominal Ratings						
Supply Voltage	$U_{e}$	10-30 VDC				
Frequency of Operating cycle	f	1000 Hz				
Hysteresis/Differential travel	Н	<10%				
Rated Operating Current	$I_{e}$	500 mA				
No-Load Supply Current	$I_{o}$	< 15 mA				
Voltage Drop	$\mathrm{U}_{d}$	< 2.2V dc				
OFF State Current	$I_r$	< 0.1mA				
Rated Insulation Voltage	$U_{i}$	75 V dc				
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				







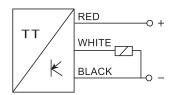
### **Model Number**

SVA 30 DC PNP NON FLUSH

### **Features**

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

### **Connection**



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**General Specifications** 

Output Logic/Switching Element	Function	PNP, NO / NC
Rated Operating Distance	$S_n$	$15~\text{mm} \pm 10\%$
Type		Non Flush
Nominal Ratings		
Supply Voltage	$\mathrm{U}_{e}$	10-30 VDC
Frequency of Operating cycle	f	1000 Hz

Hysteresis/Differential travel	н	<10%
Rated Operating Current	$I_{\rm e}$	500 mA
No-Load Supply Current	$I_{o}$	< 15 mA
Voltage Drop	$\mathrm{U}_{d}$	< 2.2Vdc
OFF State Current	I.,	< 0.1mA

Utilization Category		DC-13
Repeatability/ Repeat Accuracy	R	0.1 mm
Protection Circuit		Polarity Reversal

 $U_{i}$ 

75 Vdc

Function Indication LED

Ambient Conditions

Ambient	Conditions	

Rated Insulation Voltage

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

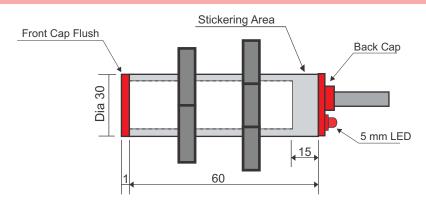
Standards Conformity EN 60947- 5-2

Approval CE



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vaariiauto@gmail.com



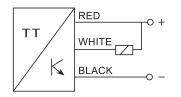
### **Model Number**

SVA 30 DC NPN FLUSH

### **Features**

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

### **Connection**



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General	Specification	ns
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General Specifications					
	Output Logic/Switching Element Function		NPN, NO / NC		
	Rated Operating Distance	S <sub>n</sub>	$10 \text{ mm} \pm 10\%$		
	Туре		Flush		
	Nominal Ratings				
	Supply Voltage	$U_{e}$	10-30 VDC		
	Frequency of Operating cycle	f	1000 Hz		
	Hysteresis/Differential travel	Н	<10%		
	Rated Operating Current	$I_{e}$	500 mA		
	No-Load Supply Current	Io	< 15 mA		
	Voltage Dron	II	< 2.2Vda		

11 2	0	
Voltage Drop	$\mathrm{U}_{d}$	< 2.2Vdc
OFF State Current	Ir	< 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

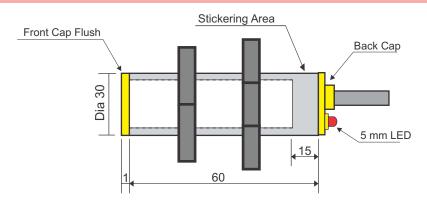
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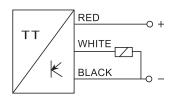
### **Model Number**

SVA 30 DC PNP FLUSH

### **Features**

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

### **Connection**



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General	Specification	ns
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Output Logic/Switching Element Fund	PNP, NO / NC	
Rated Operating Distance	$S_n$	$10~mm\pm10\%$
Type		Flush

Rated Operating Distance	$S_n$	$10 \text{ mm} \pm 10\%$
Туре		Flush
Nominal Ratings		
Supply Voltage	$U_{e}$	10-30 VDC
Frequency of Operating cycle	f	1000 Hz
Hysteresis/Differential travel	Н	<10%
Rated Operating Current	$I_{e}$	500 mA
No-Load Supply Current	$I_{o}$	< 15 mA
Voltage Drop	$\mathrm{U}_{d}$	< 2.2Vdc
OFF State Current	$I_r$	< 0.1mA
Rated Insulation Voltage	Ui	75 Vdc
Utilization Category		DC-13
Repeatability/ Repeat Accuracy	R	0.1 mm
Protection Circuit		Polarity Reversal
Function Indication		LED
<b>Ambient Conditions</b>		
Operating Temperature		-25° C to +70° C
<b>Mechanical Specifications</b>		
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

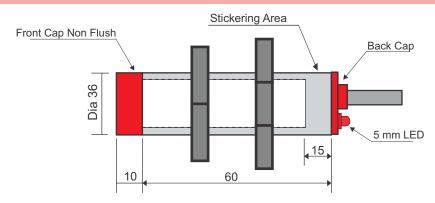
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# CATALOGUE (M36)

SVA 36 DC NPN NON FLUS15 SVA 36 DC PNP NON FLUSH SVA 36 DC NPN FLUSH SVA 36 DC PNP FLUSH



<10%

Polarity Reversal

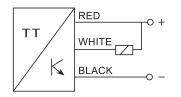
### **Model Number**

SVA 36 DC NPN NON FLUSH

### **Features**

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

### **Connection**



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General	Specifi	cations
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Hysteresis/Differential travel

Output Logic/Switching Element Fund	NPN, NO / NC		
Rated Operating Distance	$S_n$	$20~mm \pm 10\%$	
Туре		Non Flush	
Nominal Ratings			
Supply Voltage	$U_{e}$	10-30 VDC	
Frequency of Operating cycle	f	1000 Hz	

Н

Rated Operating Current	$ m I_e$	500 mA
No-Load Supply Current	Io	< 15 mA
Voltage Drop	$\mathrm{U}_{d}$	< 2.2Vdc
OFF State Current	Ir	< 0.1mA

Rated Insulation Voltage	$U_{i}$	75 Vdc
Utilization Category		DC-13
Repeatability/ Repeat Accuracy	R	0.1 mm

Function Indication LED

### **Ambient Conditions**

Protection Circuit

-25° C to +70° C Operating Temperature

### **Mechanical Specifications**

Connection Type Cable PVC, 3 Core - 2 Mtrs. 22 AWG

Core Cross-section Brass Housing with Nickel Plated Housing Material

Sensing Face ABS - Red Color

Degree of Protection IP67

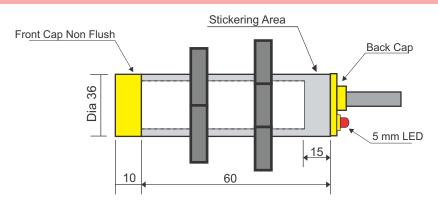
### **Compliance with Standards and Directives**

Standards Conformity EN 60947- 5-2

Approval CE



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10-30 VDC

1000 Hz

LED

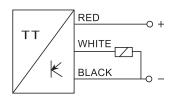
### **Model Number**

SVA 36 DC PNP NON FLUSH

### **Features**

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

### **Connection**



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Supply Voltage

General Specifications	General	Speci	ificati	ons
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Frequency of Operating cycle

Output Logic/Switching Element Function		PNP, NO / NC
Rated Operating Distance	S <sub>n</sub>	$20~mm\pm10\%$
Туре		Non Flush
Nominal Ratings		

Ue

f

Hysteresis/Differential travel	н	<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	Ui	75 V dc

Utilization Category		DC-13
Repeatability/ Repeat Accuracy	R	0.1 mm
Protection Circuit		Polarity Reversal

Function Indication		
Ambient Conditions		

-25° C to +70° C Operating Temperature

### **Mechanical Specifications**

Connection Type Cable PVC, 3 Core - 2 Mtrs.

22 AWG Core Cross-section

Brass Housing with Nickel Plated Housing Material

Sensing Face ABS - Yellow Color

Degree of Protection IP67

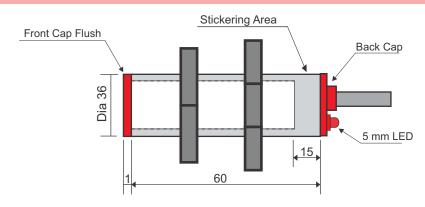
### **Compliance with Standards and Directives**

Standards Conformity EN 60947- 5-2

Approval CE



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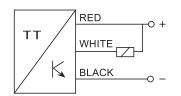
#### **Model Number**

SVA 36 DC NPN FLUSH

#### **Features**

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

#### **Connection**



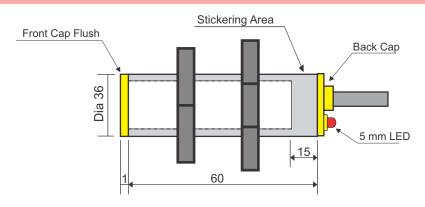
General Specifications	į	
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Nominal Ratings		
Туре		Flush
Rated Operating Distance	$S_n$	$15~\text{mm} \pm 10\%$
Output Logic/Switching Elemen	it Function	NPN, NO / NC

Rated Operating Distance	$\mathfrak{S}_{n}$	$13 \text{ IIIII} \pm 10\%$
Туре		Flush
Nominal Ratings		
Supply Voltage	$\mathrm{U}_{e}$	10-30 VDC
Frequency of Operating cycle	f	1000 Hz
Hysteresis/Differential travel	Н	<10%
Rated Operating Current	$I_{e}$	500 mA
No-Load Supply Current	$I_{o}$	< 15 mA
Voltage Drop	$\mathrm{U}_{d}$	< 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
<b>Ambient Conditions</b>		
Operating Temperature		-25° C to +70° C
<b>Mechanical Specifications</b>		
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







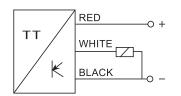
#### **Model Number**

SVA 36 DC PNP FLUSH

#### **Features**

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

#### Connection



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General	S	pecifications	

General Specifications			
Output Logic/Switching Element Function		PNP, NO / NC	
Rated Operating Distance	S <sub>n</sub>	$15 \text{ mm} \pm 10\%$	
Туре		Flush	
Nominal Ratings			
Supply Voltage	$\mathrm{U}_{e}$	10-30 VDC	
Frequency of Operating cycle	f	1000 Hz	
Hysteresis/Differential travel	Н	<10%	
Rated Operating Current	$I_{e}$	500 mA	
No-Load Supply Current	$I_{o}$	< 15 mA	
Voltage Drop	U <sub>d</sub>	< 2.2Vdc	

LED

Voltage Drop	$\mathrm{U}_{d}$	< 2.2Vdc
OFF State Current	Ir	< 0.1mA
Rated Insulation Voltage	Ui	75 Vdc
Utilization Category		DC-13

Repeatability/ Repeat Accuracy R 0.1 mm

Protection Circuit Polarity Reversal

Function Indication

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



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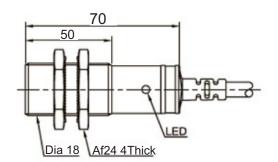
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# CATALOGUE (PHOTOELECTRIC SENSOR)

SVA 18 DC NPN NO + NC SVA 18 DC PNP NO + NC SVA 30 DC NPN NO + NC SVA 30 DC PNP NO + NC





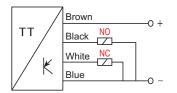
#### **Model Number**

SVA 18 DC PNP NO + NC

#### **Features**

- · Standard Series
- 250mm Sensing Flush Adjustable
- PNP, NO + NC
- 3 Wire DC

#### **Connection**



#### **Technical Data**

#### General Specifications

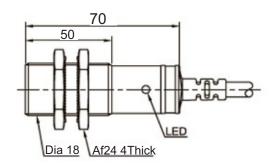
General Specifications		
Output Logic/Switching Element F	unction	PNP, NO + NC
Rated Operating Distance	S <sub>n</sub>	250mm (Adjustable) ± 10%
Light Souce		Infrared LED (880nm)
Nominal Ratings		
Supply Voltage	$U_{e}$	10-30 VDC
Load Current		< 200 mA
Voltage Drop		< 2.5 V
Consumption Current		< 25 mA
Hysteresis		< 10%
Repeat Accuracy		< 5%
Response Time		< 8.2 ms
Output Indicator		Red LED
Polarity Protection		Yes
Impulse Voltage Withstand		1000 V / AC 50 / 60 HZ 60s
Protection Circuit		Polarity Reversal
Short-Circuit Protection		No
<b>Ambient Conditions</b>		
Operating Temperature		-15° C to +55° C
Ambient Miosture		35% to 95%
Mechanical Specifications		
Connection Type		Cable PVC, 2 Mtrs.
Housing Material		Brass Housing with Nickel Plated
Sensing Face		ABS - Black Color
Degree of Protection		IP67
Compliance with Standards and	Directives	
Standards Conformity		EN 60947- 5-2
Approval		CE

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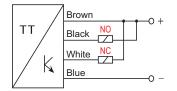
#### **Model Number**

SVA 18 DC NPN NO + NC

#### **Features**

- · Standard Series
- 250mm Sensing Flush Adjustable
- NPN, NO + NC
- 3 Wire DC

#### **Connection**



#### **Technical Data**

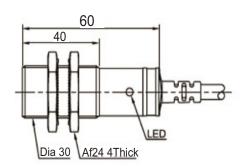
#### General Specifications

General Specifications		
Output Logic/Switching Element Func	tion	NPN, NO + NC
Rated Operating Distance	S <sub>n</sub>	250mm (Adjustable) $\pm 10\%$
Light Souce		Infrared LED (880nm)
Nominal Ratings		
Supply Voltage	U <sub>e</sub>	10-30 VDC
Load Current		< 200 mA
Voltage Drop		< 2.5 V
Consumption Current		< 25 mA
Hysteresis		< 10%
Repeat Accuracy		< 5%
Response Time		< 8.2 ms
Output Indicator		Red LED
Polarity Protection		Yes
Impulse Voltage Withstand		1000 V / AC 50 / 60 HZ 60s
Protection Circuit		Polarity Reversal
Short-Circuit Protection		No
<b>Ambient Conditions</b>		
Operating Temperature		-15° C to +55° C
Ambient Miosture		35% to 95%
Mechanical Specifications		
Connection Type		Cable PVC, 2 Mtrs.
Housing Material		Brass Housing with Nickel Plated
Sensing Face		ABS - Black Color
Degree of Protection		IP67
Compliance with Standards and Dire	ectives	
Standards Conformity		EN 60947- 5-2
Approval		CE









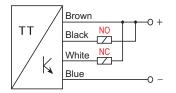
#### **Model Number**

SVA 30 DC NPN NO + NC

#### **Features**

- · Standard Series
- 900mm Sensing Flush Adjustable
- NPN, NO + NC
- 3 Wire DC

#### **Connection**



#### **Technical Data**

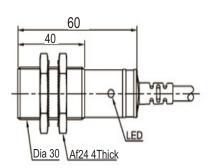
#### General Specifications

General Specifications		
Output Logic/Switching Element	Function	NPN, NO + NC
Rated Operating Distance	$\mathbf{S}_{n}$	900mm (Adjustable) ± 10%
Light Souce		Infrared LED (880nm)
Nominal Ratings		
Supply Voltage	$U_{e}$	10-30 VDC
Load Current		< 200 mA
Voltage Drop		< 2.5 V
Consumption Current		< 25 mA
Hysteresis		< 10%
Repeat Accuracy		< 5%
Response Time		< 8.2 ms
Output Indicator		Red LED
Polarity Protection		Yes
Impulse Voltage Withstand		1000 V / AC 50 / 60 HZ 60s
Protection Circuit		Polarity Reversal
Short-Circuit Protection		No
<b>Ambient Conditions</b>		
Operating Temperature		-15° C to +55° C
Ambient Miosture		35% to 95%
Mechanical Specifications		
Connection Type		Cable PVC, 2 Mtrs.
Housing Material		Brass Housing with Nickel Plated
Sensing Face		ABS - Black Color
Degree of Protection		IP67
Compliance with Standards an	d Directives	
Standards Conformity		EN 60947- 5-2
Approval		CE









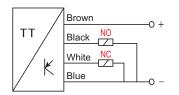
#### **Model Number**

SVA 30 DC PNP NO + NC

#### **Features**

- · Standard Series
- 900mm Sensing Flush Adjustable
- PNP, NO + NC
- 3 Wire DC

#### **Connection**



#### **Technical Data**

#### General Specifications

General Specifications		
Output Logic/Switching Element Fun	ection	PNP, NO + NC
Rated Operating Distance	Sn	900mm (Adjustable) ± 10%
Light Souce		Infrared LED (880nm)
Nominal Ratings		
Supply Voltage	$U_{e}$	10-30 VDC
Load Current		< 200 mA
Voltage Drop		< 2.5 V
Consumption Current		< 25 mA
Hysteresis		< 10%
Repeat Accuracy		< 5%
Response Time		< 8.2 ms
Output Indicator		Red LED
Polarity Protection		Yes
Impulse Voltage Withstand		1000 V / AC 50 / 60 HZ 60s
Protection Circuit		Polarity Reversal
Short-Circuit Protection		No
<b>Ambient Conditions</b>		
Operating Temperature		-15° C to +55° C
Ambient Miosture		35% to 95%
Mechanical Specifications		
Connection Type		Cable PVC, 2 Mtrs.
Housing Material		Brass Housing with Nickel Plated
Sensing Face		ABS - Black Color
Degree of Protection		IP67
Compliance with Standards and Di	rectives	
Standards Conformity		EN 60947- 5-2
Approval		CE



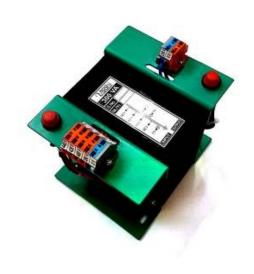




# CATALOGUE (TRANSFORMERS)



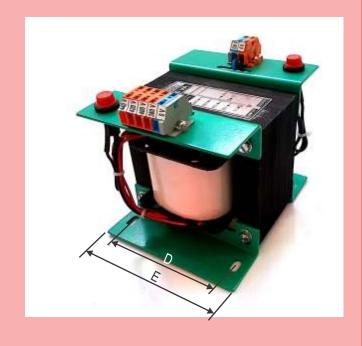












# TRANSFORMERS DIMENSIONS

S.No	Transformer Type	Α	В	С	D	E
1	50 VA	98	67	95	63	76
2	100 VA	115	70	105	78	94
3	150 VA	130	80	117	97	115
4	200 VA	130	85	122	97	115
5	250 VA	130	90	127	97	115
6	300 VA	130	100	140	97	115
7	350 VA	130	100	140	97	115
8	500 VA	190	90	130	100	127
9	750 VA	190	114	154	100	127
10	1 KVA	190	127	167	100	127



### **Control Transformers**

We offer a range of Control Transformers (1 Phase & 2 Phase - 5 VA to 3 KVA) which is developed using optimum quality Electrical Steel Lamination, Copper Wires & Terminal Blocks. Control transformers are mainly used for voltage regulation and diversely used in an electrical & electronic circuits which requires constant voltage with minimal power losses. We are exporting our products across the world

#### Features

Our Control Transformers are with

Excellent performance

Compact design

Optimum voltage regulation

Maximum Life Expectancy with Reliability

# **Application**

**Textile Machineries** 

Machine Tool

Power Modules

Controllers

**UPS** 

**Power Converters** 

# Single Phase Transformers

Single Phase Transformer: are used for Stepping-up & Stepping-down voltage for various purposes like Contactor coils, Solenoids, DC braking, Rectifier circuits, Inverter & more Single Phase Transformer is utilized in the electrical circuits for regulating the high or low voltage conditions consistently. These transformers are developed by making most wire terminal blocks and superior grade electrical steel lamination.

### Features

Compacted & sturdy design

Excellent performance

Flawless voltage regulation

Capacitive reactance

Faster voltage correction

Floating output

Exceptional overload protection

# Application

**Rectifier Circuits** 

Inverters

Medical Equipment

Pcb Circuit Modules

#### **Contact Details**

R.Dhanabal 98422 90075 Sri Vaarii Automatiion

No.2/10, Jayakrishna Layout

P.N.Pudur, Coimbatore 641 041



# CATALOGUE

(FRYING MACHINE)





# **SPECIFICATION**

S.No	Particulars	Details		
1.	SUPPLY VOLTAGE	440 V / 3 Phase		
2.	FRYING CAPACITY	25 Kgs / 50 Kgs		
3.	CURRENT CONSUMPTION ( 25 Kgs MODEL )	9 Units For 250 Kgs IN 8 Hrs.		
4.	CURRENT CONSUMPTION (50 Kgs MODEL)	18 Units For 500 Kgs IN 8 Hrs.		

# **SPECIAL FEATURES**

1.	KILOWATT HOUR METER INCLUDED FOR VIEWING POWER CONSUMED
2.	BUZZER AND TIMER GIVEN FOR KNOWING FRYING COMPLETION
3.	OIL MIXING DONE UNIFORMLY
4.	STIRING OF CASTING POWDER IS MAINTAINED UNIFORMLY
4.	EASY TO OPERATE SYSTEM NO NEEDS ANY QUALIFIED PERSONS

# PRICE DETAILS

S.No	PARTICULARS
1.	FRYING MACHINE ( 25 Kgs) FM-01
2.	FRYING MACHINE ( 50 Kgs) FM-02

# R DHANABAL

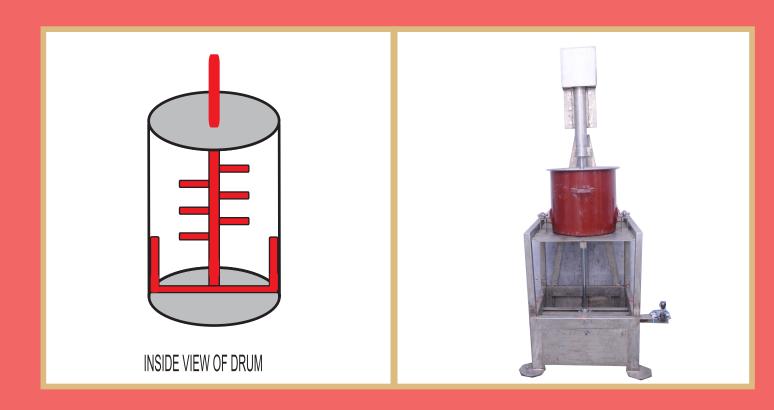
+91 98422 90075

SRI VAARII AUTOMATION

No. 2/10, JAYAKRISHNA LAYOUT, BEHIND CA FOODS, PN PUDUR COIMBATORE - 641 041



# CATALOGUE (CHEMICAL MIXING MACHINE)





# **SPECIFICATION**

S.No	Particulars	Details
1.	SUPPLY VOLTAGE	440 V / 3 Phase
2.	FRYING CAPACITY	25 Kgs / 50 Kgs
3.	CURRENT CONSUMPTION ( 25 Kgs MODEL )	9 Units For 250 Kgs IN 8 Hrs.
4.	CURRENT CONSUMPTION (50 Kgs MODEL)	18 Units For 500 Kgs IN 8 Hrs.

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