

## SIMM 6.2mm Interface Relays

### Crouzet Products /Automation Controls /SIMM Interface Relays

#### PRODUCT FEATURES

- + 6.2 mm wide and 65 mm deep
- + DIN Rail mounted
- + LED input status indicator
- + Bridges enable quick linking of common voltage
- + Identification zone on front face
- + IP20



#### Output Relays

Input Voltage	Output Voltage	Output Current	Output Type	Part number	
24VDC	5-48VDC	0.5A	Transistor	<a href="#">84145001</a>	<a href="#">Check Stock</a>
110VAC/DC	5-48VDC	0.5A	Transistor	<a href="#">84145004</a>	<a href="#">Check Stock</a>
230VAC/DC	5-48VDC	0.5A	Transistor	<a href="#">84145005</a>	<a href="#">Check Stock</a>
5VDC	5-48VDC	2.0A	Transistor	<a href="#">84145010</a>	<a href="#">Check Stock</a>
24VDC	5-48VDC	2.0A	Transistor	<a href="#">84145011</a>	<a href="#">Check Stock</a>
230VAC	5-48VDC	2.0A	Transistor	<a href="#">84145015</a>	<a href="#">Check Stock</a>
5VDC	24-250VAC	0.5A	Triac	<a href="#">84145020</a>	<a href="#">Check Stock</a>
24VDC	24-250VAC	0.5A	Triac	<a href="#">84145021</a>	<a href="#">Check Stock</a>
110VAC/DC	24-250VAC	0.5A	Triac	<a href="#">84145024</a>	<a href="#">Check Stock</a>
230VAC	24-250VAC	0.5A	Triac	<a href="#">84145025</a>	<a href="#">Check Stock</a>
24VDC	10-280VAC	1.0A	Triac	<a href="#">84145031</a>	<a href="#">Check Stock</a>
24VDC	250VAC/DC	6A	SPDT	<a href="#">84145041</a>	<a href="#">Check Stock</a>
24VAC/DC	250VAC/DC	6A	SPDT	<a href="#">84145042</a>	<a href="#">Check Stock</a>
110VAC	250VAC/DC	6A	SPDT	<a href="#">84145043</a>	<a href="#">Check Stock</a>
230VAC/DC	250VAC/DC	6A	SPDT	<a href="#">84145046</a>	<a href="#">Check Stock</a>

## Input (Sensing) Relays

<u>Input Voltage</u>	<u>Output Voltage</u>	<u>Output Current</u>	<u>Output Type</u>	<u>Part number</u>	
24VDC	30VAC/DC	50mA	SPDT	<a href="#">84145061</a>	<a href="#">Check Stock</a>
24VAC/DC	30VAC/DC	50mA	SPDT	<a href="#">84145062</a>	<a href="#">Check Stock</a>
110VAC/DC	30VAC/DC	50mA	SPDT	<a href="#">84145064</a>	<a href="#">Check Stock</a>
230VAC/DC	30VAC/DC	50mA	SPDT	<a href="#">84145066</a>	<a href="#">Check Stock</a>
24VDC	30VAC/DC	50mA	SPST	<a href="#">84145071</a>	<a href="#">Check Stock</a>

## Accessories

<u>Description</u>	<u>Part number</u>	
Front-Panel Marker Strips (bag Of 88)	84145050	<a href="#">Check Stock</a>
Two Position 'Common' Jumper	84145051	<a href="#">Check Stock</a>
10 Position Jumper (Blue)	84145052	<a href="#">Check Stock</a>
10 Position Jumper (Red)	84145053	<a href="#">Check Stock</a>

## SIMM Series Input Modules

- \* 6.2 mm wide and 65 mm deep
- \* DIN Rail mounted
- \* LED input status indicator
- \* Bridges enable quick linking of common voltage
- \* Identification zone on front face
- \* IP20



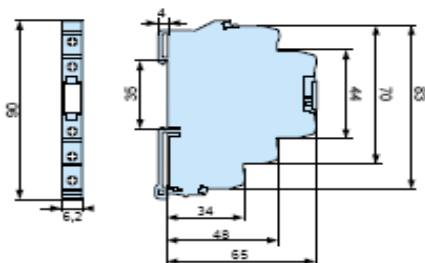
### Part numbers

	84145061	84145062	84145064	84145066	84145071
<b>Input Characteristics (at ambient 25 C°)</b>					
Nominal voltage	24Vdc	24Vac/dc	120	240	24Vdc
Operating voltage range	19.2-30Vdc	19.2-30Vac/dc	95-121Vac/dc	195-253Vac/dc	19.2-30Vdc
Max input current	20 mA	20 mA	5 mA	5 mA	20 mA
<b>Output characteristics (at ambient 25 C°)</b>					
Max Voltage	30Vac/36Vdc	30Vac/36Vdc	30Vac/36Vdc	30Vac/36Vdc	30Vac/36Vdc
Max current	50 mA	50 mA	50 mA	50 mA	50 mA
<b>General characteristics</b>					
Operating temperature range	-25 to 60°C	-25 to 60°C	-25 to 60°C	-25 to 60°C	-25 to 60°C
Storage temperature range	-40 to 80°C	-40 to 80°C	-40 to 80°C	-40 to 80°C	-40 to 80°C
Turn-On time	8 ms	8 ms	8 ms	8 ms	8 ms
Turn-Off time	10 ms	10 ms	10 ms	10 ms	10 ms
Switching frequency	10 Hz	10 Hz	10 Hz	10 Hz	10 Hz
Mechanical Life (operations)	> 10 x 10 <sup>6</sup>	> 10 x 10 <sup>6</sup>	> 10 x 10 <sup>6</sup>	> 10 x 10 <sup>6</sup>	> 10 x 10 <sup>6</sup>
Electrical Life (number of operation)	6 x 10 <sup>6</sup>	6 x 10 <sup>6</sup>	6 x 10 <sup>6</sup>	6 x 10 <sup>6</sup>	6 x 10 <sup>6</sup>
Weight	1.23 oz	1.23 oz	1.23 oz	1.23 oz	1.23 oz
Contact Material	AgSnO2 gold plated				
Contact Arrangement	SPDT	SPDT	SPDT	SPDT	SPST (N.O.)

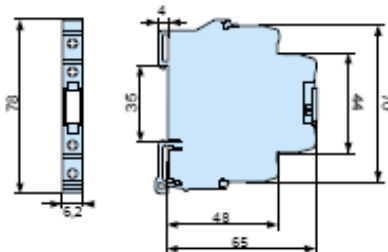
**Note:** Exceeding the value given for the output relay current will remove the gold plating from the contacts and therefore we cannot guarantee correct operation at low currents.

### Dimensions:

#### SPDT



#### SPST

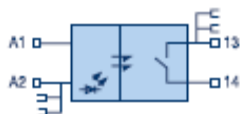


### Wiring Diagram and Thermal Curves:

#### 84145061 / 062 / 064 / 066



#### 84145071



#### 84145050

Front Panel marker ( 88 per bag )



#### 84145051

2 Pole "Common" Jumper



#### 84145052

10 position jumper - Blue



#### 84145053

10 position jumper - Red

