

## Reed Relay V23100 -V6

- Reed contact
- Small size
- Dust protected
- 1 or 2 make contacts, neutral, monostable or
- 1 make and 1 break contact, polarised, monostable
- Printed circuit mounting



Contact Data	A101	A201	A112
Contact arrangement	1 make	2 makes	1 make
			1 break
Maximum		100	
switching voltage			
Maximum			
switching current			
break	-	-	0.25 A
make	0.5 A	0.5 A	0.5 A
Maximum power		10 W	
rating			
Maximum			
continuous			
current			
break			
make	-	-	0.25 A
	0.75 A	0.75 A	0.75 A

Coll Data
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Coil	Rated	Minimum	Maximum	Resistance	
code	voltage	voltage U <sub>I</sub> voltage U <sub>II</sub>		at 20°C	
	VDC	VDC	VDC	Ω	
004	5	3.7	10.8	$430 \pm 43$	
001	6	4.5	10.8	$430 \pm 43$	
002	12	8.4	21.6	$1100 \pm 110$	
003	24	16.4	42.5	$3860 \pm 580$	

The operating voltage limits  $U_l$  and  $U_{ll}$  depend on temperature and can be calculated by:

UI tu = kI \* UI 20°C and UII tu = kII \* UII 20°C

tU = ambient temperatur

UltU = minimum voltage at ambient temperature tU

UII tU = maximum voltage at ambient temperature tU

kl and kll = factors

General	A101	A201	A112	
Operating voltages		see		
		"Coil table"		
Maximum temperatu	re	100 °C		
Continuous		max. 0,4 W		
thermal load				
at 20°C ambient				
temperature				
Permissible		-25+70°C		
ambient				
temperature				
Operate time		approx. 700 µs		
Release time		approx. 500 µs		
Bounce time	approx. 300 µs			
Maximum	500 operations/s			
switching rate				
Test voltage				
contact	250 V AC <sub>rms</sub>	250 V AC <sub>rms</sub>	250 V AC <sub>rms</sub>	
tip/contact tip				
	1500 V AC <sub>rms</sub>	1500 V AC <sub>rms</sub>	750 V AC <sub>rms</sub>	
contact/winding				
Electrical life				
at 28 V DC/125	mA	Approx. 10 <sup>6</sup> operations		
Mechanical life		Approx. 10 <sup>9</sup> operation	IS	

tu	20 °C	30 °C	40 °C	50 °C	60 °C	70 °C
kı	1.0	1.04	1.07	1.1	1.15	1.18
k <sub>ii</sub>	1.0	0.93	0.86	0.79	0.71	0.62

Datasheets and product specification according to IEC 61810-1 and to be used only together with the 'Definitions' section.

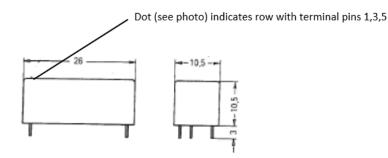
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Datasheets, product data, 'Definitions' section, application notes and all specifications are subject to change. 1



## Reed Relay V23100 -V6 (Continued)

Dimensions



## **Terminal Assingment**

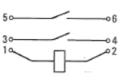
Base terminals

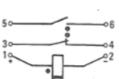
Circuit symbols drawn in release condition. If a positive potencial is applied to coil terminal 1, the relay changes to operate condition

2 makes

1 make

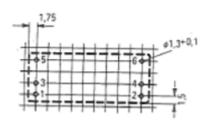




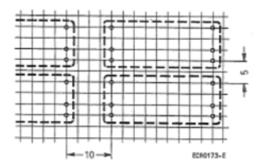


1 make and break

**PCB layout** Mounting hole layout View onto the terminal



Minimum spacing for version with 1 make and 1 contact



		Typical product code	V23100-V6	002	A101
Туре					
	V23100-V6 - Reed relay, V23100-V6 series				
Coil					
	<b>004</b> – 5 VDC				
	<b>001</b> – 6 VDC				
	<b>002</b> – 12 VDC				
	<b>003</b> – 24 VDC				
Conta	act arrangement			,	
	<b>A101</b> – 1 make				
	A201 – 2 makes				
	A112 – 1 make and 1 break				

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2

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