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**EN:** This Datasheet is presented by the manufacturer.

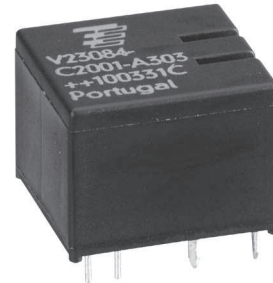
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**Double Mini Relay DMR**

■ Limiting continuous current 30 A

Typical applications

Car alarm, door control, door lock, immobilizer, seat control, sun roof, window lifter, wiper control.

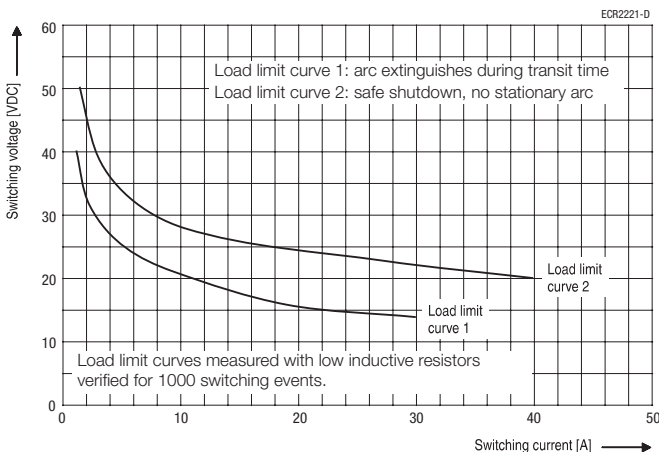


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Contact Data				
Contact arrangement	2 form C, 2 CO			
Rated voltage	12VDC			
Rated current	both systems	motor reverse <sup>1)2)</sup>	both systems	motor reverse <sup>1)2)</sup>
	20/20A	30/30A	18/18A	30/30A
Limiting continuous current				
at 23°C	20/20A	30/30A <sup>2)</sup>	18/18A	30/30A <sup>2)</sup>
at 85°C	15/15A	30/30A	12/12A	30/30A
Limiting making current <sup>1)</sup>	35A	35A	35A	35A
Limiting breaking current <sup>1)</sup>	35A	35A	35A	35A
Contact material	AgNi0.15	AgNi0.15	AgSnO <sub>2</sub>	AgSnO <sub>2</sub>
Min. recommended contact load	1A at 5VDC <sup>3)</sup>			
Initial voltage drop at 10A, typ./max.	30/300mV			
Operate/release time max. at nominal voltage	typ. 3 / 1.3ms <sup>4)</sup>			
Electrical endurance				
at cyclic temperature -40/+23/+85°C and 13.5VDC, both systems AgNi0.15, motor reverse blocked, 25A, 0.77mH inductive	>10 <sup>5</sup> ops.			
AgSnO <sub>2</sub> , lamp load, 45A (on), 8A (off), 80°C	>2x10 <sup>5</sup> ops.			
AgSnO <sub>2</sub> , resistive load, 20A, 80°C	>2x10 <sup>5</sup> ops.			
Mechanical endurance	>10 <sup>7</sup> operations			

- The values apply to a resistive or inductive load with suitable spark suppression and at maximum 13.5VDC for 12VDC load voltages.
- At 50% ON period: max. make time 15s.
- See chapter Diagnostics of Relays in our Application Notes or consult the internet at <http://relays.te.com/appnotes/>
- For unsuppressed relay coil. A low resistive suppression device in parallel to the relay coil increases the release time and reduces the lifetime caused by increased erosion and/or higher risk of contact tack welding.

Max. DC load breaking capacity

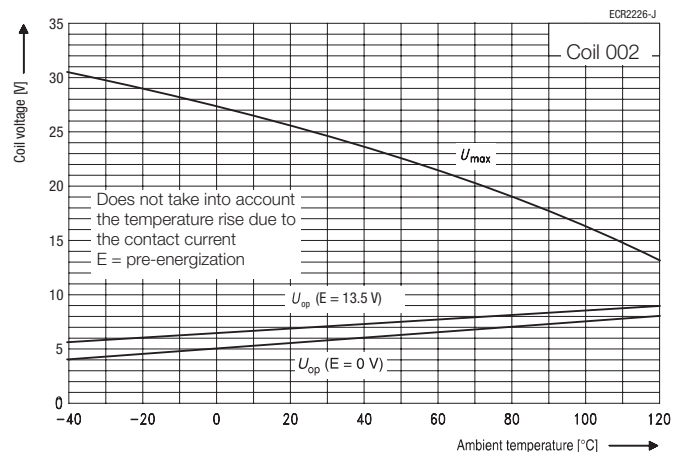
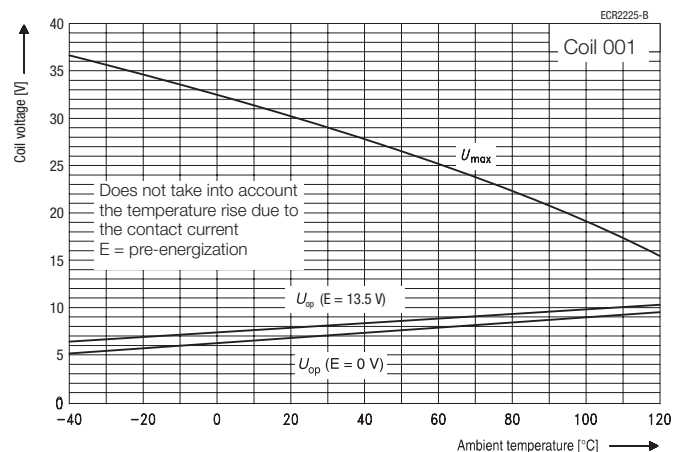


Coil Data	
Coil voltage range	-40 to +85°C
Rated coil voltage	12VDC

Coil versions, DC coil					
Coil code	Rated voltage VDC	Operate voltage VDC	Release voltage VDC	Coil resistance Ω±10%	Rated power mW
001	12	6.9	1.0	255	565
002	12	5.8	0.8	178	809

All figures are given for coil without pre-energization, at ambient temperature +23°C.

Coil operating range





**Double Mini Relay DMR** (Continued)

<b>Product code structure</b>		Typical product code		<b>V23084</b>	<b>-C</b>	<b>2</b>	<b>001</b>	<b>-A</b>	<b>4</b>	<b>03</b>
<b>Type</b>	<b>V23084</b> Double Mini Relay DMR									
<b>Terminal and enclosure</b>	<b>C</b> PCB version, sealed									
<b>Design</b>	<b>2</b> Double relay									
<b>Coil</b>	<b>001</b> Standard (THT)					<b>002</b> Sensitive (THT)				
<b>Contact type</b>	<b>A</b> Single contact									
<b>Contact material</b>	<b>3</b> AgNi015				<b>4</b> AgSnO <sub>2</sub>					
<b>Contact arrangement</b>	<b>03</b> 1 form C, 1 CO									

Product code	Terminal/Encl.	Design	Coil	Contact type	Cont. material	Arrangement	Part number
V23084-C2001-A303	PCB, immersion	Double relay	Standard (THT)	Single	AgNi0.15	2 form C, 2 CO	0-1393267-2
V23084-C2002-A303			Sensitive (THT)				1-1393267-0
V23084-C2001-A403	cleanable		Standard (THT)		AgSnO <sub>2</sub>		0-1393267-6
V23084-C2002-A403			Sensitive (THT)				1-1393267-2