
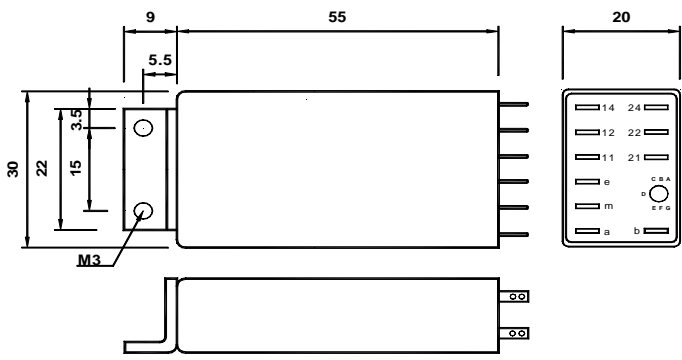
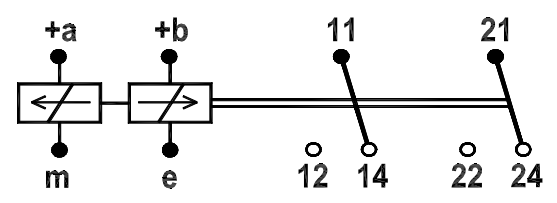
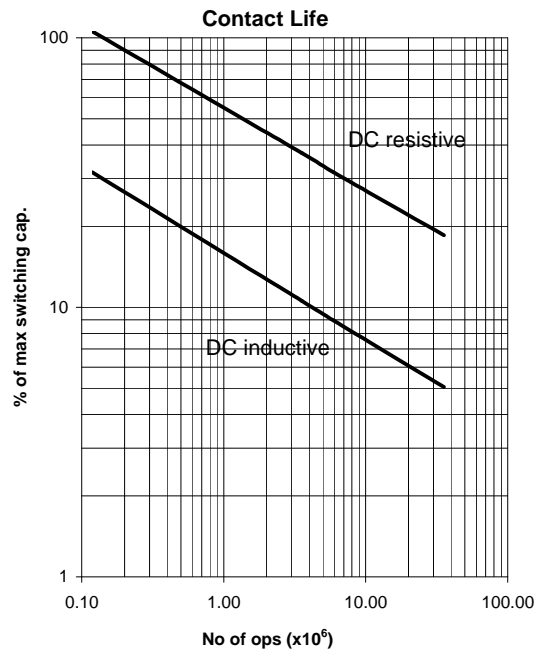
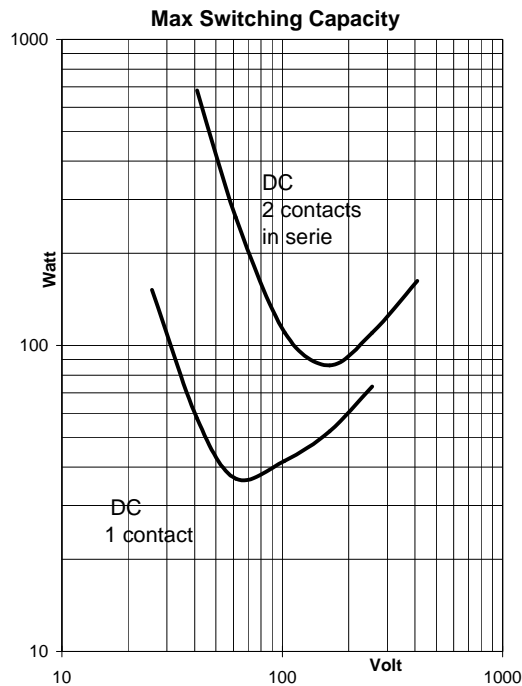


Datasheet		LATCHING RELAY				
Products		KCS-U200 series				
Country of Origin:		The Netherlands				
Dimensions:						
		P.O. Box 7023 3502 KA Utrecht The Netherlands T +31 (0)30-288 13 11 F +31 (0)30-289 88 16 E sales@nieaf-smitt.nl I www.nieaf-smitt.nl				
Connection Diagram						
<b>Description</b>						
Bistable relay with two change-over contacts with flash barrier.						
Two separate coils.						
Connections with 2.8 x 0.8 fastons.						
<b>Coil Data</b>						
Operating times at nominal voltage						
Supply range		70-125% $U_{nom}$				
Coil Consumption at $U_{nom}$		1.1 W at $U_{nom}$				
Min. Impuls time		25 ms				
<b>Nominal voltages DC</b>						
Type code	$U_{nom}$	$U_{pull\ in}$	$U_{max}$	$R_{coil}$	$I_{nom}$	
KCS-U201	24 V	16.8 V	30 V	500 W	48 mA	
KCS-U202	48 V	33.6 V	60 V	2060 W	23 mA	
KCS-U203	72 V	50.4 V	90 V	4900 W	15 mA	
*	110 V	77 V	137.5 V	*	12 mA	
KCS-U205	96 V	67.2 V	120 V	7800 W	12 mA	
KCS-U206	12 V	8.4 V	15 V	137 W	88 mA	
KCS-U207	36 V	25.2 V	45 V	1300 W	29 mA	
* For 110 VDC: use KCS-U205 in series with external seriesresistor of 1800 W/ 0.4 W						

<b>Contact data</b>			
<b>Max. Make Current</b>	<b>15 A</b>	<b>Material</b>	<b>Ag+0.2µm Au</b>
<b>Max. Cont. Current</b>	<b>6 A ( AC1 ; IEC 947 )</b>	<b>Contact gap</b>	<b>0.3 mm</b>
<b>Max. Switching Voltage</b>	<b>300 V, 300 mA</b>	<b>Insulation between open contacts</b>	<b>1 kV; 50 Hz; 1 min</b>
		<b>Contact force</b>	<b>&gt; 20 cN</b>
<b>Min. Switching Voltage</b>	<b>4V/2mA/0.1W-VA</b>	<b>Note : Contacts cannot have a different position ( Forced contacts, Weld no transfer)</b>	
<b>Max. Contact Resistance</b>	<b>5 milli Ohm</b>		
<b>Maximum Switching Capacity and Contact life</b>			



### General Data

<b>Dielectric strength</b>		
<b>Pole-Pole</b>	<b>IEC 255-5 and IEC 77</b>	<b>3 kV, 1 min, 50 Hz</b>
<b>Cont-Coil</b>		<b>3 kV, 1 min, 50 Hz</b>
<b>Pulse Withstanding</b>	<b>IEC 255-5</b>	<b>5 kV ( 1.2/50 µs )</b>
<b>Vibration</b>	<b>IEC 77</b>	<b>5 g at 50 Hz</b>
	<b>IEC 571-1</b>	<b>2 g, 10-150 Hz</b>
<b>Shock</b>	<b>IEC 68-2-27</b>	<b>20 g, 15 ms</b>
<b>Mechanical life</b>		<b>30*10<sup>6</sup> ops</b>
<b>Max. Switching Frequency</b>		<b>3600 ops/h</b>
<b>Weight</b>		<b>68 g</b>
<b>Temperature</b>	<b>T<sub>amb,max</sub></b>	<b>+ 70 °C</b>
	<b>T<sub>amb,min</sub></b>	<b>- 25 °C</b>
<b>Humidity</b>		<b>90%</b>
<b>Protection</b>		<b>IP 50</b>
<b>Materials</b>		<b>Polyester</b>
		<b>Makrolon</b>
<b>Electronic Components</b>		<b>not applicable</b>