

RE SERIES

RE1010, RE2010, RE3010

11-pin, special relay, plug-in flat terminal relay

Type	RE-----/ ... V Relays for Railway application 3 change-over contacts special wide range voltage
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Maximum contact load	10A 250 V AC1
Recommended minimum contact load	10A 30 V DC1 10 mA/10 V

Contacts			
Material	Standard	Code 0	AgNi
Rated current			6 A
Switch-on current max. (20 ms)			15 A
Switching voltage max.			250 V
Max. AC load			1.2 kVA see Fig. 1
DC load			see Fig. 2

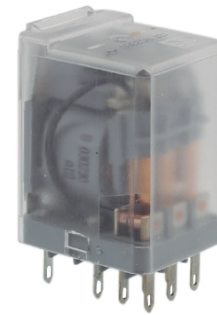
Coil	
Coil resistance	see table; tolerance $\pm 10\%$
Pick-up voltage	$\leq 0,8 \times U_N$
Release voltage	$\geq 0,1 \times U_N$
Nominal power	2,2 VA (AC)/1,3 W (DC)

Coil table																															
	<table border="1"> <thead> <tr> <th>VAC</th> <th>Ω</th> <th>mA</th> <th>VDC</th> <th>Ω</th> <th>mA</th> </tr> </thead> <tbody> <tr> <td>24</td> <td>67</td> <td>92</td> <td>24</td> <td>443</td> <td>54</td> </tr> <tr> <td>48</td> <td>296</td> <td>46</td> <td>48</td> <td>1K8</td> <td>27</td> </tr> <tr> <td>115</td> <td>1k7</td> <td>19</td> <td>110</td> <td>9K2</td> <td>12</td> </tr> <tr> <td>230</td> <td>7k1</td> <td>9,5</td> <td>220</td> <td>36K1</td> <td>6</td> </tr> </tbody> </table>	VAC	Ω	mA	VDC	Ω	mA	24	67	92	24	443	54	48	296	46	48	1K8	27	115	1k7	19	110	9K2	12	230	7k1	9,5	220	36K1	6
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Insulation	Volt rms, 1 min
Contact open	1000 V
Contact/contact	2,5 kV
Contact/coil	2,5 kV
Insulation resistance at 500 V	$\geq 3 \text{ G } \Omega$
Insulation, IEC 61810-1	2,5 kV/2

Specifications	
Ambient temperature operation/storage	-40 (no ice)....60 °C /-40 ... 80 °C
Pick-up time/bounce time	50 ms
Release time/bounce time	6 ms/ ≤ 1 ms
Mechanical life	AC: 10 Mill./DC: 20 Mill. switching cycles
AC voltage endurance at rated load	≥ 100000 switching cycles
Switching frequency at rated load	$\leq 1200/h$
Protection class	IP40
Pollution degree	2
Weight	75 g

Standard types	
AC 50 Hz/60 Hz: 24, 48, 115, 230, (240) _____	RE1010NN0/... VAC RE2010NN0/... VAC RE3010NN0/... VAC
DC 12, 24, 48, 110 _____	RE1010NN0/... VDC RE2010NN0/... VDC RE3010NN0/... VDC



Connection diagram

Fig. 1 AC voltage endurance

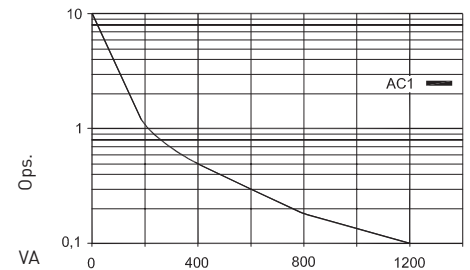
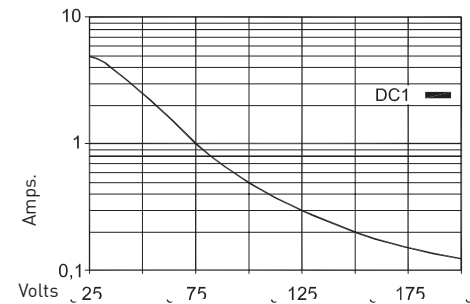


Fig. 2 DC load limit curve



Dimensions [mm]

"..." Enter the voltage for full type designation

Accessories
Socket: SET30D, SEP30X, SEW30F

Technical approvals, conformities



IEC 61810; EN 60947



Kühn Controls AG

Notes:

You want more information about this product, please call us: tel: +49 (0)7082-940000 or send us a fax: +49 (0)7082-940001, or email: sales@kuehn-controls.de or visit our Website: www.kuehn-controls.de