

C30-A30

11-pin standard relays, 3-pole, plug-in, according to IEC 60067

Type	C30-A30/ ... V Standard relays 3 change-over contacts																																		
Maximum contact load	10 A/250 V 10 A/30 V	AC-1 DC-1	0,5 A/110 V 0,2 A/220 V	DC-1 DC-1																															
Recommended minimum contact load	10 mA/10 V																																		
Contacts																																			
Material	AgNi																																		
Rated current	10 A																																		
Switch-on current max. (20 ms)	30 A																																		
Switching voltage max.	250 V																																		
AC load (Fig 1)	2,5 kVA																																		
DC load	see Fig. 2																																		
Coil																																			
Coil resistance	see table; tolerance ± 10 %																																		
Pick-up voltage	≤ 0,8 x U _N																																		
Release voltage	≥ 0,1 x U _N																																		
Nominal power	2,2 VA (AC)/1,3 W (DC)																																		
Coil table	<table><tr><th>VAC</th><th>Ω</th><th>mA</th><th>VDC</th><th>Ω</th><th>mA</th></tr><tr><td>24</td><td>67</td><td>92</td><td>12</td><td>115</td><td>104</td></tr><tr><td>115</td><td>1K7</td><td>19</td><td>24</td><td>480</td><td>50</td></tr><tr><td>230</td><td>7K1</td><td>9,5</td><td>48</td><td>1K8</td><td>26</td></tr><tr><td></td><td></td><td></td><td>110</td><td>9K</td><td>12</td></tr></table>					VAC	Ω	mA	VDC	Ω	mA	24	67	92	12	115	104	115	1K7	19	24	480	50	230	7K1	9,5	48	1K8	26				110	9K	12
VAC	Ω	mA	VDC	Ω	mA																														
24	67	92	12	115	104																														
115	1K7	19	24	480	50																														
230	7K1	9,5	48	1K8	26																														
			110	9K	12																														
Insulation																																			
Contact open	Volt rms, 1 min 1000 V																																		
Contact/contact	2,5 kV																																		
Contact/coil	2,5 kV																																		
Insulation resistance at 500 V	≥1 GΩ																																		
Insulation, IEC 61810-1	2,5 kV/3																																		
Specifications																																			
Ambient temperature operation/storage	-40...70 °C DC (55 °C AC)/-40 ... 80 °C																																		
Pick-up time/bounce time typ.	8 ms/ 3 ms																																		
Release time/bounce time typ.	18 ms/1 ms																																		
Mechanical life ops	AC: 10 Mill./DC: 20 Mill.																																		
DC voltage endurance at rated load	≥ 100000 switching cycles																																		
Switching frequency at rated load	≤ 1200/ops/h																																		
Protection class	IP40																																		
Weight	82 g																																		
Standard types																																			
VAC 50 Hz: 24, 115, 230	C30-A30/AC ... V C30-A30/AC ... V 60 Hz C30-A30X/AC ... V																																		
VAC 60 Hz: 120																																			
LED																																			
VDC 12, 24, 36, 48, 110	C30-A30/DC ... V C30-A30X/DC ... V C30-A30DX/DC ... V C30-A30FX/DC ... V																																		
LED																																			
Free wheeling diode																																			
Polarity and free wheeling diode	C30-A30BX/UC ... V																																		
AC/DC bridge rectifier 24 V																																			
"..." Enter the voltage for full type designation																																			
Accessories																																			
Socket:	S30-B																																		
Blanking plug:	PB30-BK																																		
Button without lockable function:	PB30-OR																																		
Retaining clip, plastic:	S30-CM																																		



Connection diagram

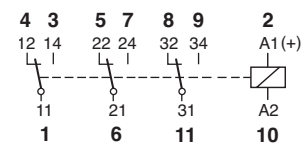


Fig. 1 AC voltage endurance

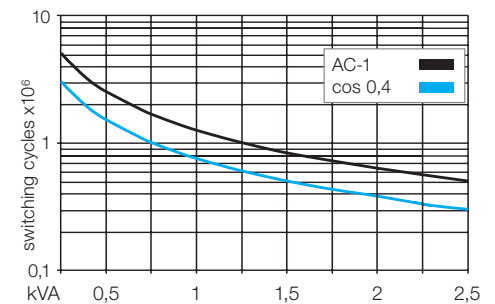
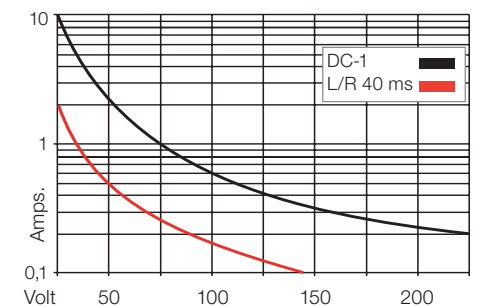
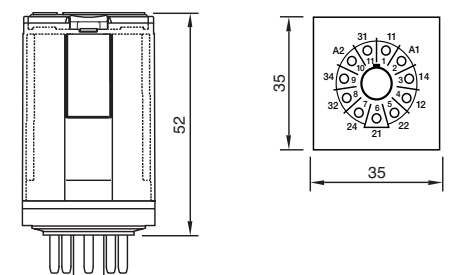


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities



IEC 61810; EN 60947