

Long life series

## C22 with double contacts

8 pin plug-in relay, 2-pole, according to IEC 67-I-5a

<b>Type</b>	<b>C22/...V</b> Long Life Relay 2 change over double contacts Types with LED status indicator Types with free wheeling diode Manual actuator and mech. status indicator
-------------	--

<b>Maximum contact load</b>	<b>6 A / 250 V AC-1</b> <b>6 A / 30 V DC-1</b>
<b>Recommended minimum contact load</b>	<b>10 mA / 5 V</b>

<b>Contacts</b>	
Type	double contact micro disconnection
Material	AgCuNi
Rated operational current	6 A
Max. inrush current (20 ms)	15 A
Max. switching voltage AC-1	250 V
Max. AC load	1500 VA AC-1
Max. DC load 30V / 230V DC-1 (Fig. 2)	200 W / 90 W

<b>Coils</b> (Values are valid at 20 °C)	
Pick-up voltage	$\leq 0.8 \times V_N$
Release voltage AC / DC	$> 0.15 \times V_N / > 0.05 \times V_N$
Nominal power AC / DC	2.5 VA / 1.2 W

### Coil Table

$V_N$ AC	$\Omega$	mA	$V_N$ DC	$\Omega$	mA
<b>24</b>	52	104	<b>12</b>	115	104
<b>48</b>	240	55	<b>24</b>	480	50
<b>115</b>	1350	23	<b>48</b>	1850	26
<b>230</b>	5600	11.5	<b>110</b>	9000	12
			<b>220</b>	29000	7.6

Types with LED indicator take additional 5 ... 10 mA @ < 80 V

### Insulation

Test voltage open contact	1.5 kVrms, 1 minute
Test voltage between adjacent poles	1.5 kVrms, 1 minute
Test voltage between contacts and coil	2 kVrms, 1 minute

### General Specifications

Ambient temperature operation, storage	-40 ... +70 °C
Pickup time AC / DC	3 ... 10 ms / $\leq 12$ ms
Release time AC / DC	2 ... 15 ms / $\leq 3.5$ ms
Bounce time NO contact AC / DC	3 ... 6 ms / approx. 3.5 ms
Mechanical life	$\geq 10^8$ operations
Operating frequency at nominal load	$\leq 360$ operations / h
Ingress Protection degree	IP 40
Weight	80 g

### Standard types

AC 50 Hz / 60 Hz: 24, 48, 115, 230

LED

DC: 12, 24, 48, 110, 220

Free wheeling diode

LED + Free wheeling diode

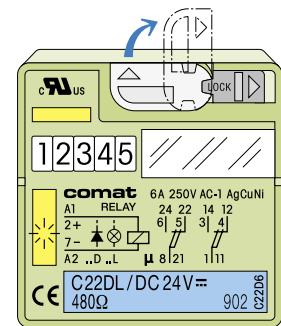
**C22/AC...V**  
**C22L/AC...V**  
**C22/DC...V**  
**C22D/DC...V**  
**C22DL/DC...V**

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

Accessories

Socket:

**EC-8, S2-B, S2-S, S2-L, S2-P, S2-PO**



### Connection diagram

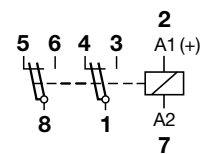


Fig.1 AC voltage endurance

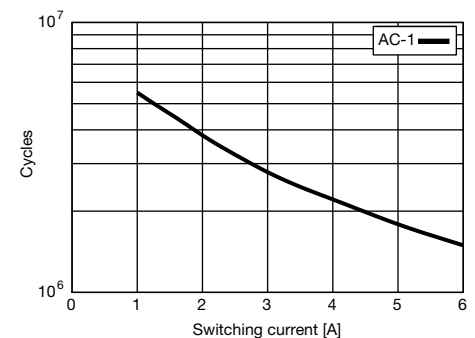
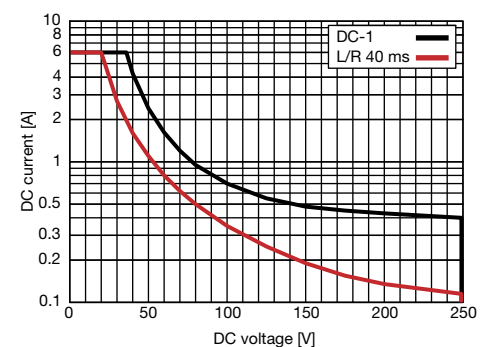
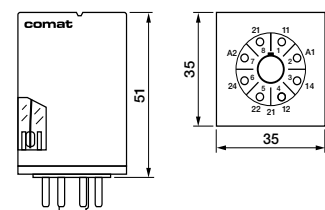


Fig. 2 DC load limit curve



### Dimensions [mm]



### Technical approvals, conformities

