

C32 with double contacts

11 pin plug-in relay, 3-pole, according to IEC 67-I-18a



Type	C32/...V Long Life Relay, according to EN 50 155 Railway 3 change over double contacts Types with LED status indicator Types with free wheeling diode Manual actuator and mech. status indicator
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Maximum contact load	6 A / 250 V AC-1 6 A / 30 V DC-1
Recommended minimum contact load	10 mA / 5 V

Contacts	
Type	double contact micro disconnection
Rated operational current	6 A
Max. inrush current (20 ms)	15 A
Rated 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

Coils (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	Ω	mA	V_N DC	Ω	mA
24	52	104	12	115	104
48	240	55	24	480	50
115	1350	23	48	1850	26
230	5600	11.5	110	9000	12
			220	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 / ≤ 12 ms
Release time AC / DC	2 ... 15 ms / ≤ 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	≤ 360 operations / h
Ingress Protection degree	IP 40
Weight	80 g

Standard types	
AC 50 Hz / 60 Hz: 24, 48, 115, 230 (240)	C32/AC...V
LED	C32L/AC...V
DC: 12, 24, 48, 110, 220	C32/DC...V
Free wheeling diode	C32D/DC...V
LED + Free wheeling diode	C32DL/DC...V
Railway EN 50155; NF F 16-101/102	C32D/R DC...V

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

Accessories	
Socket:	EC-11, EC11A, S3-B, S3-S, S3-L, S3-P, S3-PO



Connection diagram

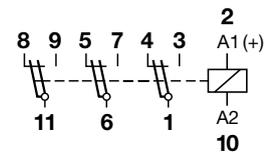


Fig.1 AC voltage endurance

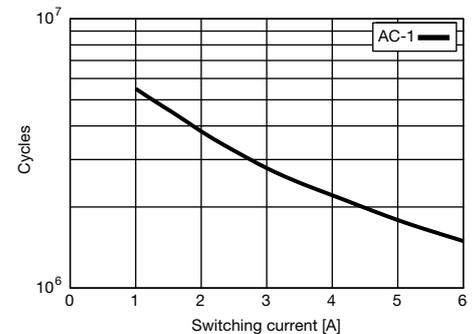
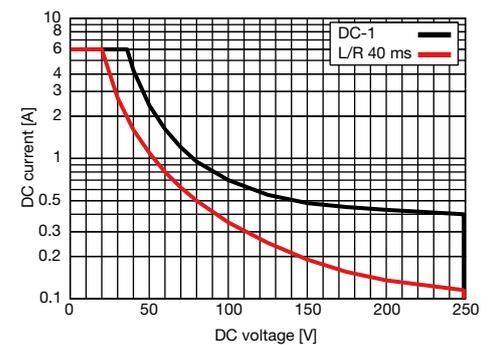
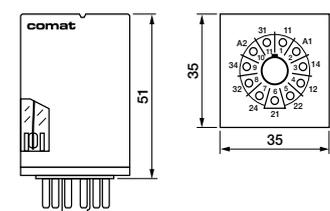


Fig. 2 DC load limit curve



Dimensions [mm]



Technical approvals, conformities

