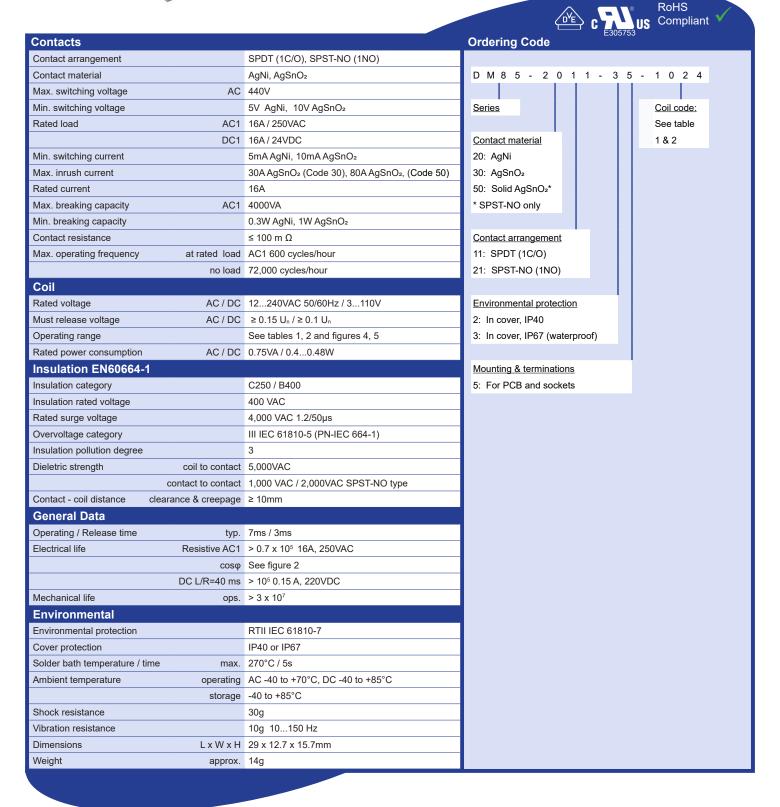


DM85 Series PCB Power Relay



- Cadmium free contacts
- Height 15.7 mm
- 5000 V / 10mm Reinforced insulation
- For PCB and plug-in sockets
- 80A High inrush version
- · Accessories: sockets and modules
- AC and DC Coils
- Recyclable packing



Specifications are subject to change without notice. E&OE.

DURAKOOL

DM85 Series PCB Power Relay

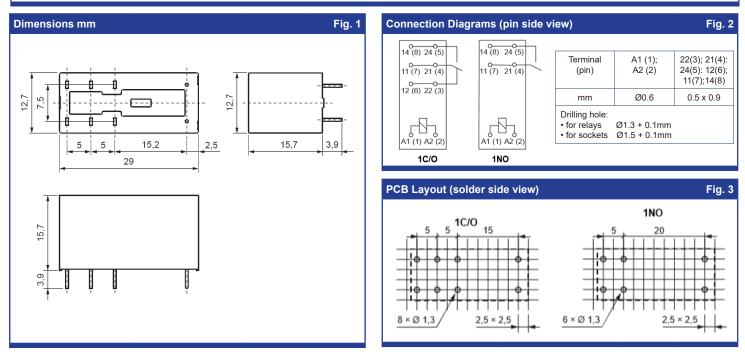
DC Coil Data				Table 1
Coil code	Rated voltage (VDC)	Coil resistance Ω ±10% (at 20°C)	Coil operating voltage range (VDC@ 20°C)	
			min.	max.
1003	3	22	2.1	7.6
1005	5	60	3.5	12.7
1006	6	90	4.2	15.3
1009	9	200	6.3	22.9
1012	12	360	8.4	30.6
1018	18	710	12.6	45.9
1024	24	1440	16.8	61.2
1036	36	3140	25.2	91.8
1048	48	5700	33.6	122.4
1060	60	7500	42.0	153.0
1110	110	25200	77.0	280.0
Standard coil rated voltages n	arked with bold type	~	-	°

Standard coil rated voltages marked with bold type

AC Coil Data - 50/60Hz

AC Coll Data - 50/60Hz			Table 2	
Coil code	Rated voltage (VAC)	Coil resistance Ω ±10% (at 0°C)	Coil operating voltage range (VAC@ 20°C)	
			min.	max.
5012	12	100	9.6	13.2
5024	24	400	19.2	28.8
5048	48	1550	38.4	57.6
5060	60	2600	48.0	72.0
5110	110	8900	88.0	132.0
5115	115	9600	92.0	138.0
5120	120	10200	96.0	144.0
5220	220	35500	176.0	264.0
5230	230	38500	184.0	276.0
5240	240	42500 ±15%	192.0	288.0
Other devides it water devides were	1 1 10 1 11			

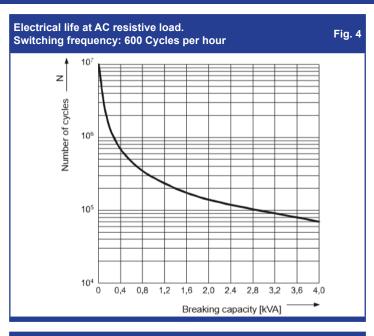
Standard coil rated voltages marked with bold type



Specifications are subject to change without notice. E&OE.

DURAKOOL

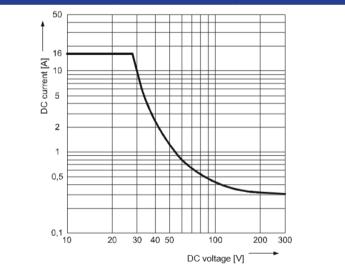
DM85 Series PCB Power Relay

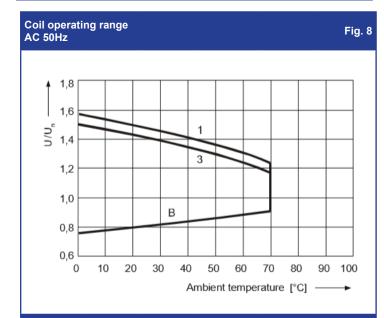


Max. DC resistive load breaking capacity

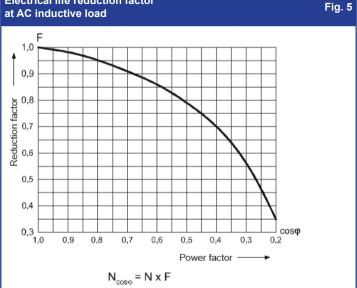
DM85 011322EW



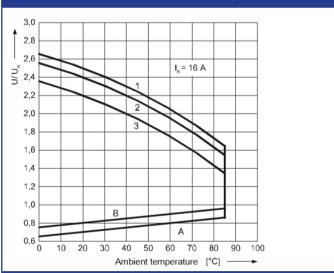




Electrical life reduction factor







Relay mounting

Relays DM85 are designed for:

- Direct PCB mounting by soldering
- DIN Rail, or panel mounting, screw terminal plug-in sockets, D14F-2Z-C* with clip JH-15PS. LED indicator & protecting modules DM***-BK are available for D14F-2Z-C* sockets
- \bullet Plug-in sockets for PCB mounting D14F-2Z-A1 or D14F-2Z-A2 with clip JH-15PS

When using the DM85 in a socket, with a load current above 8A, the socket terminals must be connected in parallel. Refer to Connection Diagram (Fig.2).

Description of Fig. 7 and 8

A - relations between make voltage and ambient temperature at no load on contacts. Coil temperature and ambient temperature are equal before coil energizing. Make voltage is not higher than the value read on Y axis (multiplication of rated voltage).

B - relations between make voltage and ambient temperature after initial coil heating up with 1.1 Un, at continuous load of I on contacts. Make voltage is not higher than the value read on Y axis (multiplication of rated voltage).

1, 2, 3 - values on Y axis represent allowed overvoltage on coil at certain ambient temperature and contact load:

- 1 no load
- 2 50% of rated load
- 3 rated load

Specifications are subject to change without notice. E&OE

Fig. 7