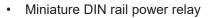


NOT FOR NEW DESIGN



- Up to 16A /230V AC rating
- · Industry standard style
- Cost effective



		CE CSU'S ROHS Compliant				
Contacts	Ordering Code					
Contact arrangement	SPDT (1 C/O), DPDT (2 C/O)	3				
Contact material	AgNi 90/10	D I 8 7 - 4 1 G - A 0 2 4 - C 3 N				
Max. switching voltage AC/DC	440VAC / 125VDC					
Min. switching current / voltage	5mA / 5VDC	Coil code:				
Rated load AC1	SPDT: 10A, 250VAC (Sensitive Coil)/ 12A, 250VAC	Contact arrangement See table 1				
	16A, 250VAC : DPDT: 8A, 250VAC	4: DPCO 8A				
DC1	SPDT: 10A, 30VDC (Sensitive Coil)/ 12A, 30VDC	5: SPCO 16A				
	16A, 24VDC : DPDT: 8A, 250VAC	7: SPCO 10A & 12A				
Max. inrush current	30A					
Initial resistance	100mΩ, max. at 0.1A/6VDC	Module type				
Coil		000: No module fitted				
Rated voltage DC	12, 24V	21P: Diode A2+				
AC	24, 110, 230V	21N: Diode A1+				
Must release voltage DC	≥ 0.1Un	41G: LED (Green) 6-24VDC				
AC	≥ 0.15Un	41R: LED (Red) 6-24VDC				
Operating range of supply voltage	See coil tables 1 and 2	61G: LED (Green) 6-24VAC/DC				
Rated power consumption DC	250mW (10A, Sensitive Coil) / 400mW (standard)	63R: LED (Red) 6-24VAC/DC				
AC	0.75VA	63G: LED (Green) 110-230VAC/DC				
Insulation		63R: LED (Red) 110-230VAC/DC				
Insulation resistance	100MΩ at 500VDC, 50%RH					
Dielectric strength coil to contact	5000Vrms, 1min	Socket type				
contact to contact	1000Vrms, 1min	C2: SPDT: D14-1Z-C2 or DPDT: D14-2Z-C2 (standard)				
General Data		C3N: SPDT: D14F-1Z-C3N or DPDT: D14F-2Z-C3-N (standard)				
Operating time typ.	≤7ms	C4: *SPDT: D14F-1Z-C4 or DPDT: D14F-2Z-C4 (Special order)				
Release time typ.	≤ 3ms	C5: *SPDT: D14F-1Z-C5 or DPDT: D14F-2Z-C5 (Special order)				
Electrical life ops.	≥ 0.7 x 10 ⁵ (16A), ≥ 1.0 x 10 ⁵ (10A, 12A)					
Mechanical life ops.	≥ 3 x 10 ⁷	* (minimum order quantities (MOQs) may apply)				
Environmental						
Ambient temperature operating	-40 to 85°C (DC coil) / -40 to 70°C (AC coil)					
storage	-40 to +85°C					
Shock resistance	30g					
Vibration resistance	10g 10150Hz					
Dimensions L x W x H	75.8 x 15.7 x 67 mm (depends on socket & clip choice)					
Weight approx.	62g with module					

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

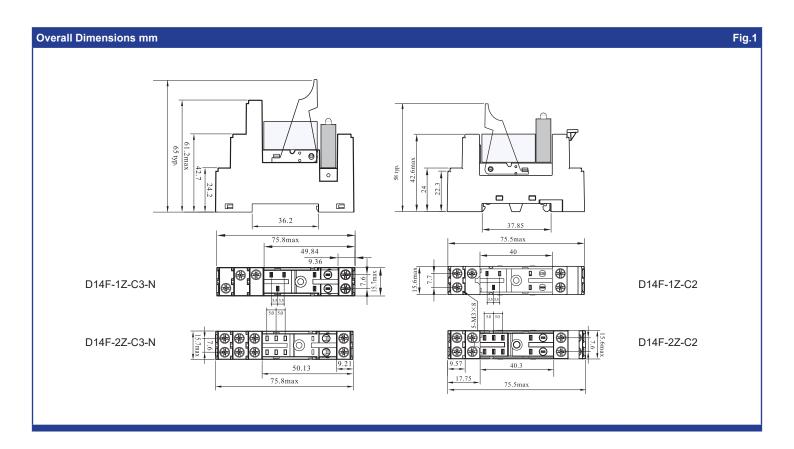


Operating relays below or above nominal voltage may prove detrimental to performance.

Coil Data (standard coil) Table								
Coil code	Nominal voltage	Coil resistance (Ω) ±10%	Operate voltage max.	Must operate voltage max.	Must release voltage min.			
D012	12VDC	360	18.0VDC	8.4VDC	1.2VDC			
D024	24VDC	1440	36.0VDC	16.8VDC	2.4VDC			
A024	24VAC	400	28.8VAC	19.2VAC	3.6VAC			
A110	110VAC	8900	132.0VAC	88.0VAC	16.5VAC			
A230	230VAC	38500	276.0VAC	184.0VAC	34.5VAC			
12VDC (sensitive coil)								
S012	12VDC	576	15.6VDC	9.0VDC	1.2V			
Coil specifications at 20°C. AC coils are suitable for 50HZ or 60Hz operation.								

Interface Relay Construction Table 2										
	Relay type		Socket type (See order codes for full number)		Ejector clip		Module			
DI84	DM84 Series	+	D14F-2Z-???	+	JH-15PS	+	DM???-BK			
DI85	DM85 Series	+	D14F-2Z-???*	+		+	DM???-BK			
DI87	DM87N Series	+	D14F-1Z-???	+		+	DM???-BK			
DI87	DX87N Series (Sensitive coil)	+	D14F-1Z-???	+		+	DM???-BK			

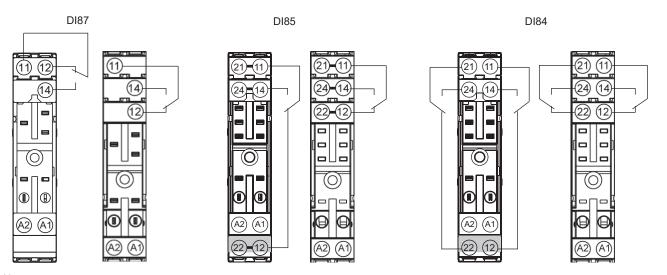
^{*} For loads above 12A, terminals must be bridged in pairs, 11 with 21, 12 with 22, 14 with 24 - see connection diagrams (fig. 2). All sockets are supplied with a blank, white, description plate/tab. See ordering codes (Page 1) for details.



Specifications are subject to change without notice. E&OE



Connection Diagrams Fig.2



Notes:

- 1) For DI85 for loads above 12A, contact terminals must be bridged in pairs, 11 with 21, 12 with 22, 14 with 24.
- 2) Coil polarity (A1/A2) will depend upon module (if fitted).