



## NOT FOR NEW DESIGNS

- Miniature DIN rail power relay
- Up to 16A /230V AC rating
- Industry standard style
- Cost effective

			C	C <b>R</b>	Bol- US Con	HS npliant 🗸
Contacts			Ordering Code			
Contact arrangement		SPDT ( 1 C/O), DPDT (2 C/O)				
Contact material		AgNi 90/10	DI 87-41G	- A 0 2	4 - C 3	N
Max. switching voltage	AC/DC	440VAC / 125VDC				
Min. switching current / voltage		5mA / 5VDC		Coil cod	le:	
Rated load	AC1	SPDT: 10A, 250VAC (Sensitive Coil)/ 12A, 250VAC	Contact arrangement	See tab	le 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) 6-24V[	C		
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)			ndard)
General Data			C3N: SPDT: D14F-1Z-C3N or DPDT: D14F-2Z-C3-N (standa		N (standard)	
Operating time	typ.	≤7ms	C4: *SPDT: D14F-1Z-C4 or DPDT: D14F-2Z-C4 (Special order			Special order)
Release time	typ.	≤ 3ms	C5: *SPDT: D14F-1Z-C5 or DPDT: D14F-2Z-C5 (Special order			Special order)
Electrical life	ops.	≥ 0.7 x 10 <sup>5</sup> (16A), ≥ 1.0 x 10 <sup>5</sup> (10A, 12A)				
Mechanical life	ops.	≥ 3 x 10 <sup>7</sup>	* (minimum order quantities (MOQs) may apply)			pply)
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				

(1)

## DURAKOOL

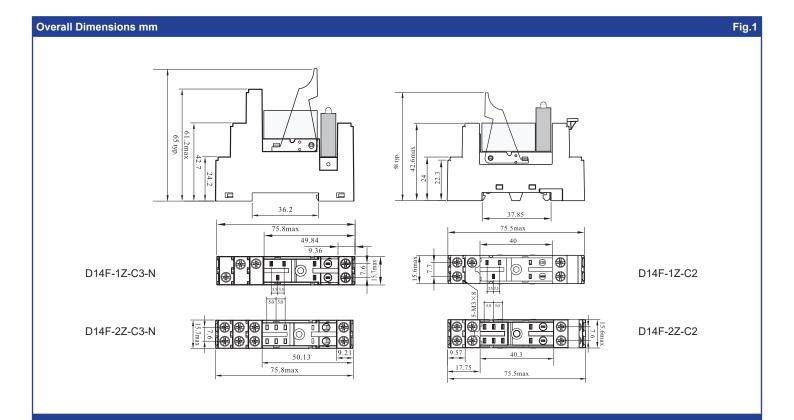
## **DI8 Series Interface Relay**

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
2VDC (sensitive coil)					
S012	12VDC	576	15.6VDC	9.0VDC	1.2V

erface Relay	Construction						Table 2	
Relay type			Socket type (See order codes for full number)	e order codes			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.

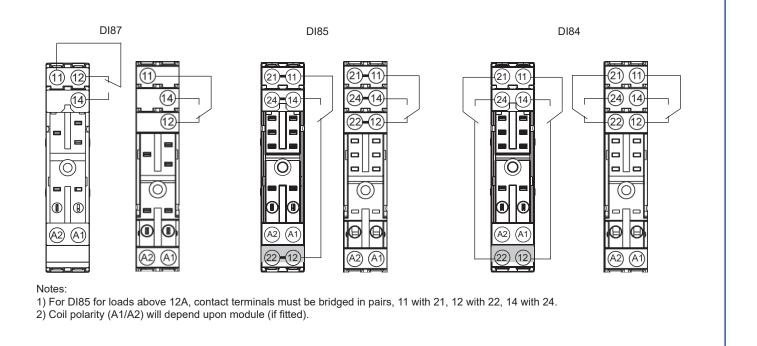


Specifications are subject to change without notice. E&OE.



Fig.2

## **Connection Diagrams**



3