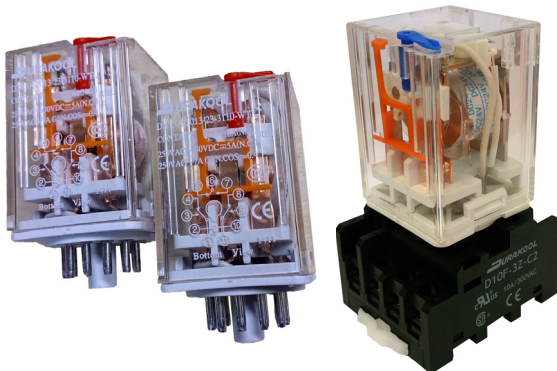




- 8 pin (Octal) and 11 pin (undecal)
- AC and DC coils
- LED Indicator & test lever (Red LED for AC, Green LED for DC coils)
- Flag indicator of contact movement
- European standard terminal arrangement



RoHS
Compliant

Contacts

Contact arrangement	DPDT (2C/), 3PDT (3C/O)
Contact material	AgNi 90/10
Max. switching voltage	AC/DC 277VAC, 30VDC
Min. breaking capacity	W 0.3
Rated load (resistive - cos φ=1)	AC1 DPDT, 3PDT:10A/240VAC
	DC1 DPDT, 3PDT: 10A/28VDC
Initial resistance	≤50mΩ (at 1A/24VDC)

Coil

Nominal voltage	DC 6...110V, AC 6...380V/50Hz, 220V/60Hz
Must release voltage	DC ≥0.1Un, AC 50Hz ≥0.3Un, AC 60Hz ≥0.1Un
Operating range	See tables 1, 2 & 3
Rated power consumption	DC 2W, AC 50Hz 3.5VA, 60Hz 2.7VA

Insulation

Insulation resistance	≥500MΩ at 500VDC, 50%RH
Dielectric strength	coil to contact 1500Vrms, 1min (50Hz) 1mA
	contact to contact 1000Vrms, 1min (50Hz) 1mA
	between adjacent contacts 1200Vrms, 1min (50Hz) 1mA

General Data

Operating time	max. ≤20ms
Release time	max. ≤20ms
Electrical life	ops. 1 x 10 ⁵
Mechanical life	ops. 1 x 10 ⁷

Environmental

Ambient temperature	operating -40 to +70°C
	storage -55 to +70°C
Dimensions	L x W x H 35 x 35 x 66mm
Weight	approx. ≤80g

Ordering Code

D X 1 5 A - 2 0 1 2 - 2 3 - 1 0 1 2 - W T L

Series

Contact material

20: AgNi 90/10

Contact arrangement

12: DPDT (2 C/O)

13: 3PDT (3 C/O)

Environmental protection IP40

2: In cover

Mounting & terminations

3: For plug in sockets

Options

WTL: LED Indication and test lever

Coil code:

See tables

1, 2 & 3

DC Coil Data (Green LED)

Table 1

Coil code	Nominal voltage (VDC)	Coil resistance (Ω) ±10%	Power consumption (W)	Must operate voltage max. (VDC)	Must release voltage min. (VDC)	Max. allowable voltage (VDC)
1006	6	18	2	4.5	0.6	6.6
1012	12	72	2	9.0	1.2	13.2
1024	24	288	2	18.0	2.4	26.4
1048	48	1152	2	36.0	4.8	52.8
1110	110	6050	2	82.5	11.0	121.0

AC Coil Data 50Hz (Red LED)

Table 2

Coil code	Nominal voltage (VAC)	Coil resistance (Ω) ±10%	Power consumption (VA)	Must operate voltage max. (VAC)	Must release voltage min. (VAC)	Max. allowable voltage (VAC)
3012	12	14.4	3.5	9.6	3.6	13.2
3024	24	57.6	3.5	19.2	7.2	26.4
3048	48	230.4	3.5	38.4	14.4	52.8
3110	110	1210	3.5	88.0	33.0	121.0
3220	220	4840	3.5	176.0	66.0	242.0

AC Coil Data 60Hz (Red LED)

Table 3

Coil code	Nominal voltage (VAC)	Coil resistance (Ω) ±10%	Power consumption (VA)	Must operate voltage max. (VAC)	Must release voltage min. (VAC)	Max. allowable voltage (VAC)
6012	12	19	2.7	9.0	1.2	13.2
6024	24	75	2.7	18.0	2.4	26.4
6110	110	1570	2.7	82.5	11	121.0
6220	220	6275	2.7	165.0	22	242.0

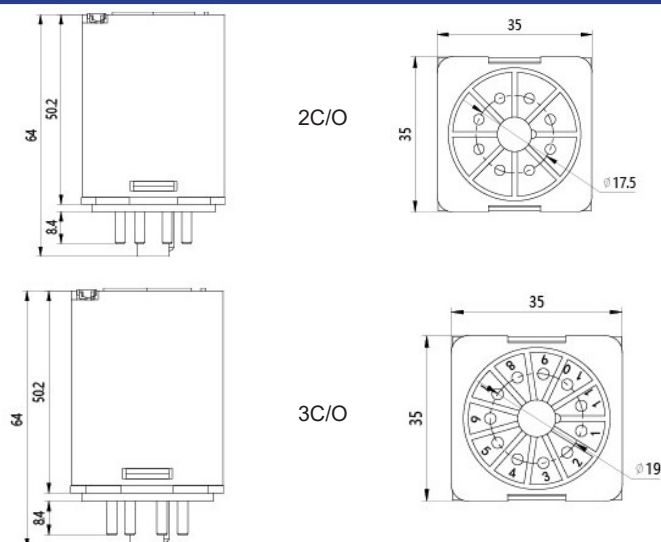
Wiring Diagrams

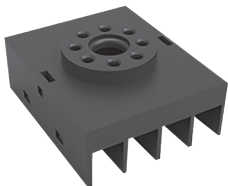
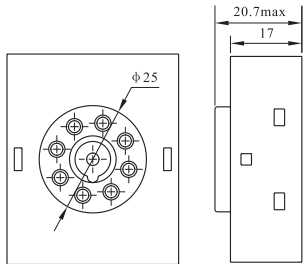
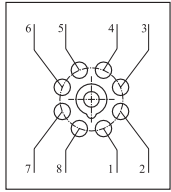
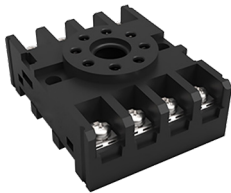
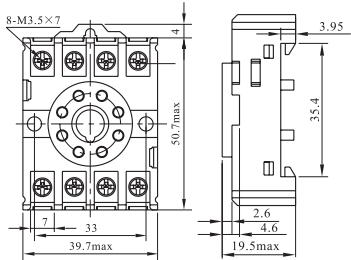
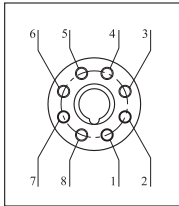
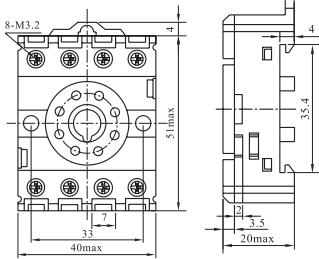
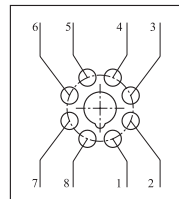
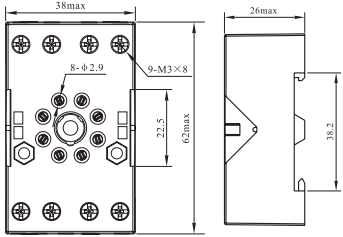
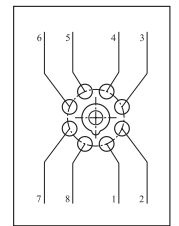
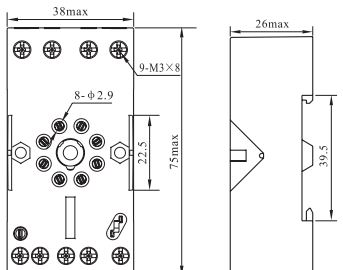
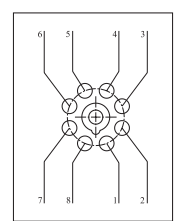
Fig. 1

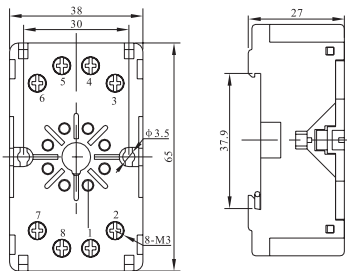
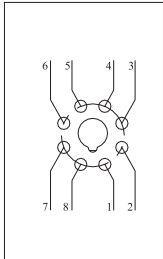
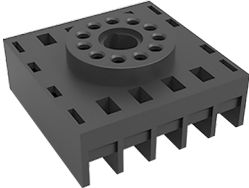
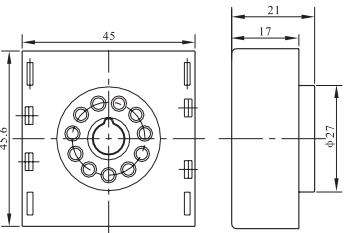
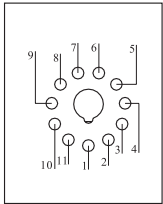
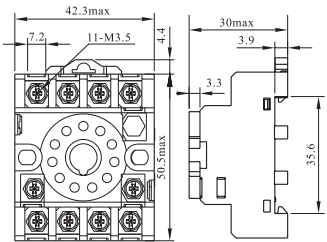
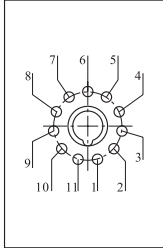
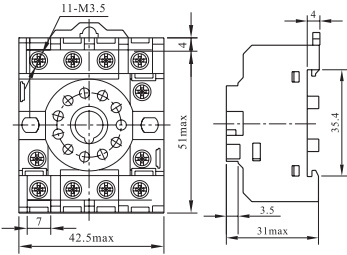
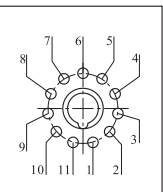
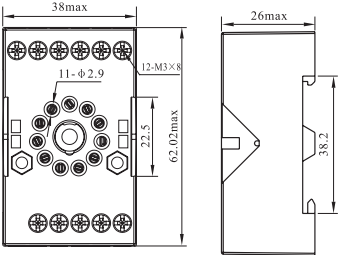
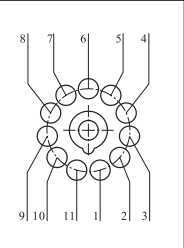


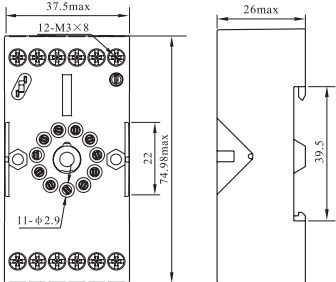
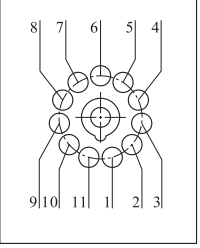
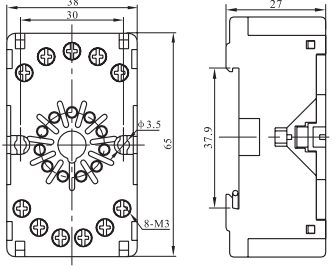
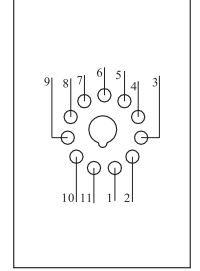
Overall Dimensions mm

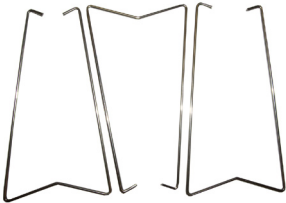
Fig. 2



Sockets for the DX15A relay	Parameters	Outline Drawing	Wiring Diagram
 D10F-2Z-A	Rated voltage: 300VAC Rated current: 10A Insulation voltage: ≥ 3KV Socket material: PA66+GF (V1/V0) Contacts spring material: QSn6.5-0.1		
 D10F-2Z-C1	Rated voltage: 300VAC Rated current: 10A Insulation voltage: ≥ 3KV Socket material: PA66+GF (V1/V0) Contacts spring material: QSn6.5-0.1 Metal retainer clip (page 5): JH-004RC		
 D10F-2Z-C2	Rated voltage: 300VAC Rated current: 10A Insulation voltage: ≥ 3KV Socket material: PA66+GF (V1/V0) Contacts spring material: QSn6.5-0.1 Metal retainer clip (page 5): JH-004RC		
 D10F-2Z-C3	Rated voltage: 250VAC Rated current: 10A Insulation voltage: ≥ 3KV Socket material: PA46-S250F6 (V1/V0) Contacts spring material: QSn6.5-0.1 Metal retainer clip (page 5): JH-56MS		
 D10F-2Z-C4	Rated voltage: 250VAC Rated current: 10A Insulation voltage: ≥ 3KV Socket material: PA66+GF (V1/V0) Contacts spring material: QSn6.5-0.1 Metal retainer clip (page 5): JH-56MS		

Sockets for the DX15A relay	Parameters	Outline Drawing	Wiring Diagram
 D10F-2Z-C5	Rated voltage: 300VAC Rated current: 10A Insulation voltage: $\geq 3KV$ Socket material: PA66+GF (V1/V0) Contacts spring material: QSn6.5-0.1 Metal retainer clip (page 5): JH-56MS		
 D10F-3Z-A	Rated voltage: 250VAC Rated current: 7A Insulation voltage: $\geq 3KV$ Socket material: PA66+GF (V1/V0) Contacts spring material: QSn6.5-0.1		
 D10F-3Z-C1	Rated voltage: 250VAC Rated current: 10A Insulation voltage: $\geq 3KV$ Socket material: PA66+GF (V1/V0) Contacts spring material: QSn6.5-0.1 Metal retainer clip (page 5): JH-004RC		
 D10F-3Z-C2	Rated voltage: 250VAC Rated current: 10A Insulation voltage: $\geq 3KV$ Socket material: PA66+GF (V1/V0) Contacts spring material: QSn6.5-0.1 Metal retainer clip (page 5): JH-004RC		
 D10F-3Z-C3	Rated voltage: 300VAC Rated current: 10A Insulation voltage: $\geq 3KV$ Socket material: PA46-S250F6 (V1/V0) Contacts spring material: QSn6.5-0.1 Metal retainer clip (page 5): JH-56MS		

Sockets for the DX15A relay	Parameters	Outline Drawing	Wiring Diagram
 D10F-3Z-C4	Rated voltage: 300VAC Rated current: 10A Insulation voltage: $\geq 3KV$ Socket material: PA66+GF (V1/V0) Contacts spring material: QSn6.5-0.1 Metal retainer clip (page 5): JH-56MS		
 D10F-3Z-C5	Rated voltage: 300VAC Rated current: 10A Insulation voltage: $\geq 3KV$ Socket material: PA66+GF (V1/V0) Contacts spring material: QSn6.5-0.1 Metal retainer clip (page 5): JH-56MS		

Retaining Clips for Durakool Sockets		
 JH-004RC	Matching Socket(s): D10F-2Z-C1/C2 D10F-3Z-C1/C2	 JH-56MS
		Matching Socket(s): D10F-2Z-C3/C4/C5 D10F-3Z-C3/C4/C5

All accessories are upon request only.