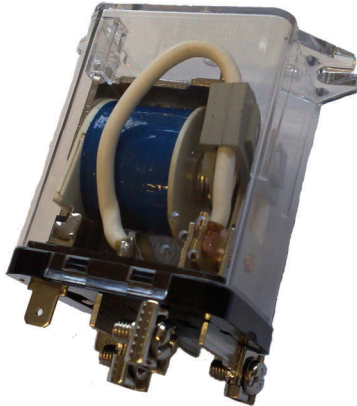


HHC71E

High power industrial relays

DURAKOOL



- Up to 80A switching capability
- Top Flange Mounting
- AC & DC Coils
- Dust Cover as standard
- RoHS Compliant
- UL Recognized



Contacts

Number and type of contacts		SPST-NO, SPST-NC, SPDT, DPST-NO, DPST-NC, DPDT
Contact Material		Silver Alloy
Rated voltage / max. switching voltage		250VAC / 24VDC
Max. breaking capacity		80A
Coil		
Rated voltage 50/60Hz	AC	6...380V - See Table 2
	DC	6...110V - See Table 1
Rated power consumption	AC	3.6W (commutating)
	DC	3.6W
Insulation		
Insulation resistance		500MΩ 500VDC
Dielectric strength		
• between coil and contacts		2500VAC
• Between contacts		1500VAC
General Data		
Ambient temperature:	(operating / storage)	-40°C to +70°C
Operating time (typical)		≤ 25ms
Release time (typical)		≤ 25ms
Electrical life:	(resistive AC1)	2 x 10 ⁴
Mechanical life (cycles)		1 x 10 ⁶
Cover protection category		IP20
Shock resistance		Functional 10G; Destruction 100G
Vibration resistance		10-55Hz at D.A 1.5mm
Weight (approx)		250g



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Coil Data

Table 1

Coil Voltage Code	Nominal Voltage	Resistance	Must Operate	Must Release
			Voltage max.	Voltage min.
	VDC	(Ω) $\pm$ 10%	VDC	VDC
1006	6	10	4.50	0.6
1009	9	22.5	6.75	0.9
1012	12	40	9.00	1.2
1024	24	160	18.00	2.4
1048	48	640	36.00	4.8
1060	60	1000	45.00	6.0
1110	110	3360	82.50	11.00

Coil Data

Table 2

Coil Voltage Code	Nominal Voltage	Resistance	Must Operate	Must Release
			Voltage max.	Voltage min.
	VAC	(Ω) $\pm$ 10%	VAC	VAC
5006	6	8.0	4.80	0.9
5009	9	17.5	7.2	1.3
5012	12	31.0	9.6	1.8
5024	24	124	19	3.6
5048	48	500	38.4	7.4
5060	60	780	48.0	9.0
5110	110	2600	88.0	16.5
5220	220	10400	176	33
5380	380	31000	304	57



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Ordering Codes

Type					Contact Material		Contact Number & Arrangement		Cover Protection Category		Terminal Type		Coil Code			
H	H	C	71	E	7	0			6	8						

Contact Material

70	- AgSnO ²
----	----------------------

Contact Number & Arrangement

11	- SPDT (1C/O)
21	- SPST-NO (1N/O)
31	- SPST-NC (1N/C)
12	- DPDT (2C/O)
22	- DPST-NO (2 N/O)
32	- DPST-NC (2 N/C)

Cover Protection Category

6	- Cover, IP20
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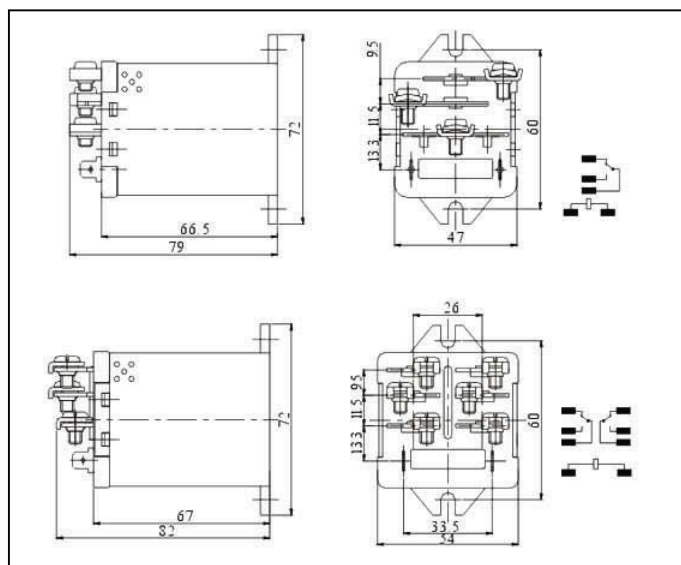
Connection / Terminal Mode

8	- Screw Terminals + QC Terminals for coil
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See Tables 1 & 2

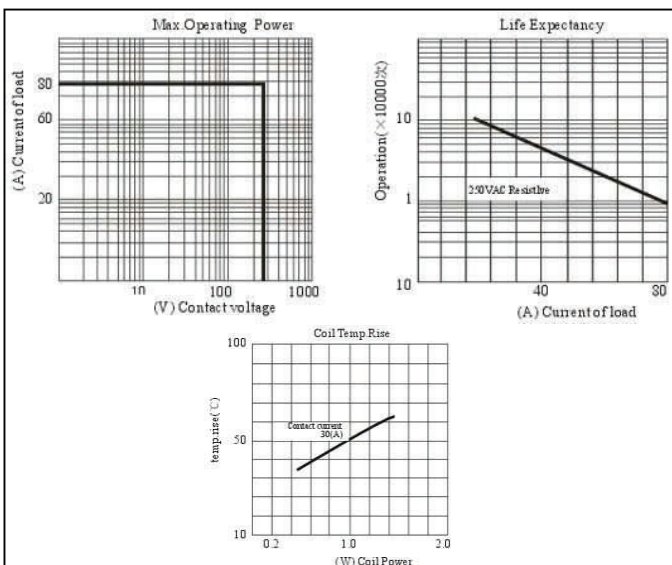
Overall Dimensions

Fig. 1



Reference Graphs

Fig. 2



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