

HF8565

MOTOR START POTENTIAL RELAY



File No.:SA13318



Features

- 50A switching capability
- 1 Form B configuration available
- 250" quick connect termination
- Various of mounting positions
- Class B insulation available
- Environmental friendly product (RoHS compliant)
- Outline Dimensions: (51.2 x 46.6 x 36.5) mm

CONTACT DATA

Contact arrangement	1B
Contact resistance	100mΩ (at 1A 24VDC)
Contact material	AgCdO
Contact rating (Res. load)	16A(make and break) 400VAC COS Ø=0.85 35A(break only) 400VAC COS Ø=0.85 50A(break only) 400VAC COS Ø=0.85
Mechanical endurance	7.5 x 10 ⁵ OPS
Electrical endurance	5 x 10 ⁵ OPS (16A 400VAC) 2 x 10 ⁵ OPS (35A 400VAC break only) 1 x 10 ⁵ OPS (50A 400VAC break only)

CHARACTERISTICS

Weight	Approx. 110g
Termination	QC
Construction	Dust protected

Notes: The data shown above are initial values.

COIL

Coil power	5VA
Coil voltage	See table below
Coil resistance	See table below
Insulation system	Class B

OPERATING CHARACTERISTICS at 50Hz

Coil number		2		3		4		5		6		7		8		9	
Vmax at 40°C (V)		299		338		378		356		452		151		530		228	
Resistance (1±10%) Ω 25°C		5600		7500		10700		10000		13800		1500		19500		3900	
	H.P.U.	P.U.	D.O.	P.U.	D.O.	P.U.	D.O.	P.U.	D.O.	P.U.	D.O.	P.U.	D.O.	P.U.	D.O.	P.U.	D.O.
A	120-130											111-124	20-45			111-124	35-77
B	130-140											120-134	20-45			120-134	35-77
C	150-160	140-153	40-90									130-144	20-45			130-144	35-77
D	160-170	150-163	40-90	150-163	40-90							140-153	20-45			140-153	35-77
E	170-180	162-175	40-90	162-175	40-90											149-163	35-77
F	180-190	171-184	40-90	171-184	40-90			180-195	40-105							157-172	35-77
G	190-200	180-193	40-90	180-195	40-105	180-195	40-105	189-205	40-105							168-182	35-77
H	200-220	186-215	40-90	190-215	40-105	195-224	50-110	186-214	60-133							178-192	35-77
I	220-240	205-234	40-105	208-239	50-110	204-233	50-110	204-233	60-133							183-213	35-77
L	240-260	224-252	40-105	224-252	50-110	223-259	50-110	223-252	60-133	223-252	60-130					203-231	35-77
M	260-280	243-271	40-105	239-270	50-110	242-272	50-110	242-272	60-133	239-268	60-135			239-268	75-170		
N	280-300			260-289	50-110	262-290	60-121	262-290	60-133	258-287	60-135			258-287	75-170		
O	300-320					280-310	60-121	280-310	60-133	277-305	60-135			277-305	75-170		
P	320-340					300-328	60-121	300-328	60-154	295-324	60-135			295-324	75-170		
Q	340-360					318-347	60-121			314-342	60-135			314-342	75-180		
R	350-370													323-352	75-180		
S	360-380													332-361	75-180		

Notes: H.P.U.means Approximate pick-up at 90°C , P.U. means pick-up value at 25°C, D.O.means drop out value at 25°C.



HONGFA RELAY

ISO9001、ISO/TS16949、ISO14001、OHSAS18001 CERTIFIED

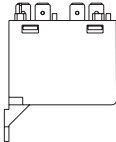
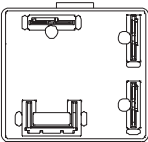
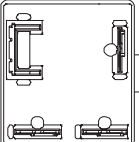
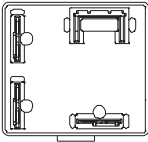
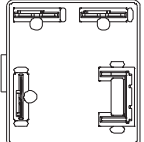
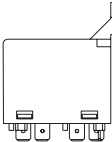
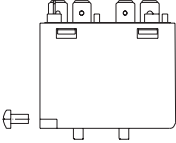
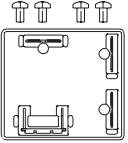
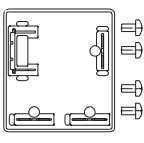
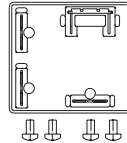
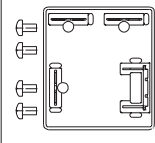
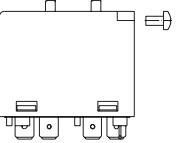
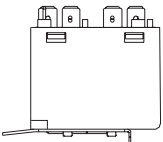
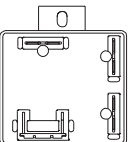
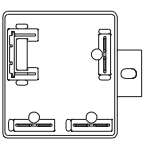
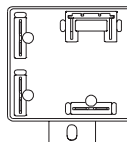
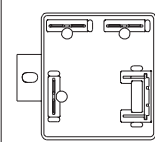
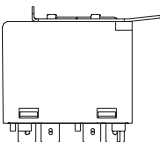
2007 Rev. 2.00

OPERATING CHARACTERISTICS at 60Hz

Coil number		2		3		4		5		6		7		8		9	
Vmax at 40°C (V)		332		375		420		395		502		168		588		253	
Resistance (Ω ±10%) 25°C		5600		7500		10700		10000		13800		1500		19500		3900	
	H.P.U.	P.U.	D.O.	P.U.	D.O.	P.U.	D.O.	P.U.	D.O.	P.U.	D.O.	P.U.	D.O.	P.U.	D.O.	P.U.	D.O.
AA	120-130											111-124	20-45			111-124	35-77
AB	130-140											120-134	20-45			120-134	35-77
AC	150-160											130-144	20-45			130-144	35-77
AD	160-170	150-163	40-90									140-153	20-45			140-153	35-77
AE	170-180	162-175	40-90									149-163	20-45			149-163	35-77
AF	180-190	171-184	40-90					180-195	40-105							157-172	35-77
AG	190-200	180-193	40-90	180-195	40-105			189-205	40-105							168-182	35-77
AH	200-220	186-215	40-90	190-215	40-105	195-224	60-121	186-214	60-130							178-192	35-77
AI	220-240	205-234	40-90	208-239	50-110	204-233	60-121	204-233	60-130							183-213	35-77
AL	240-260	224-252	40-105	224-252	50-110	223-259	60-121	223-252	60-130							203-231	35-77
AM	260-280	243-271	40-105	239-270	50-110	242-272	60-121	242-272	60-140	239-268	60-135					221-250	35-77
AN	280-300			260-289	50-110	262-290	60-121	262-290	60-140	258-287	60-135			258-287	75-170		
AO	300-320					280-310	60-121	280-310	60-140	277-305	60-135			277-305	75-170		
AP	320-340					300-328	60-121	300-328	60-140	295-324	60-135			295-324	75-170		
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AR	350-370													323-352	75-180		
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Notes: H.P.U.means Approximate pick-up at 90°C , P.U. means pick-up value at 25°C, D.O.means drop out value at 25°C.

OPERATING POSITION

	1	2	3	4	5	6
PLASTIC TAB MOUNT						
PANEL MOUNT						
METAL TAB MOUNT						

TERMINAL CONFIGURATION

	3 dual QC (#1, 2, 5)
PLASTIC TAB MOUNT	D
PANEL MOUNT	P
METAL TAB MOUNT	Z

ORDERING INFORMATION

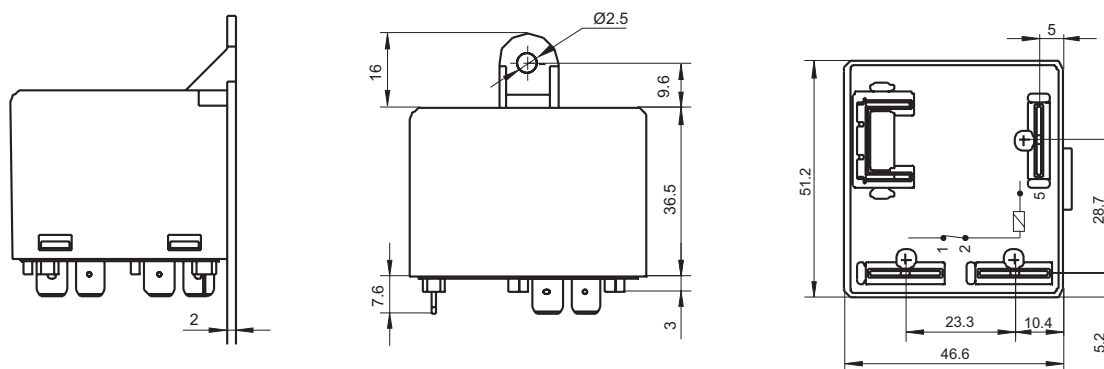
Type	HF8565 / D 6 A 1 (XXX)
Terminal configuration	D、P、Z (See table for terminal configuration)
Coil number	2、3、4、5、6、7、8、9
Operation characteristics	AA~AS (See table for operating characteristics)
Operation position	1、2、3、4、5、6
Customer special code ¹⁾	Only for special requirements, e.g. (551) stands for RoHS compliant (Cadmium containing contacts)

Notes: 1) HF8565 is an environmental friendly product. Please mark a special code (551) when ordering.

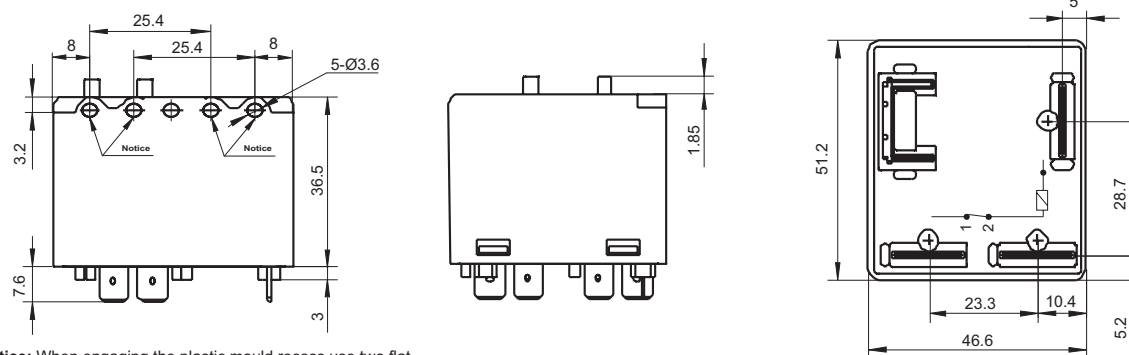
OUTLINE DIMENSIONS, WIRING DIAGRAM AND PC BOARD LAYOUT

Unit: mm

Plastic Tab Mount



Panel Mount

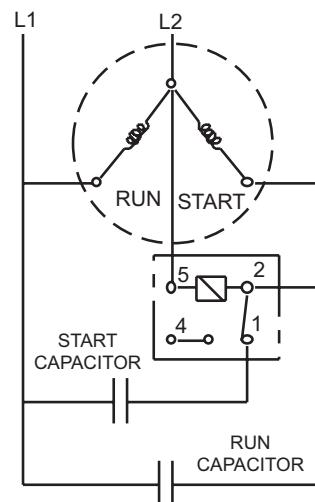


Notice: When engaging the plastic mould recess, use two flat head, self tapping screw, size 4.2mm, 9.5mm long.

Unit: mm

[illegible]

Wiring Diagram



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