

- **Potential Motor Starting Relay**
- **35A, Normally Closed, AC Coil**
- Specially designed for HVAC applications.
- Variety of mounting positions.
- 0.250" Quick-connect terminals Or 8-32 Screw terminals.
- Class B Insulation.
- Custom-built to meet customer requirements.



Ordering information

G380 - 3 H 3 C

AISLU RELAY MODEL NUMBER

"-" : Factory bulk packing ;
 "Y" : Individual box packing.

Coil Number (See table on following page for details)

Operating characteristics (Pickup and Drop-out)

Mounting Position

Terminal configuration

Mounting Positionn

1

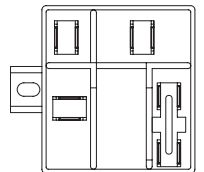
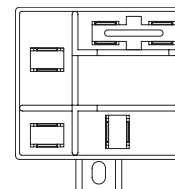
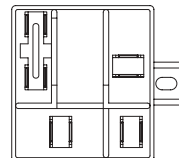
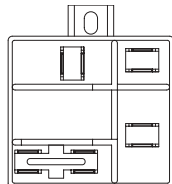
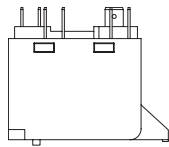
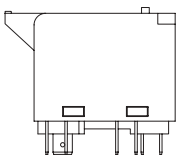
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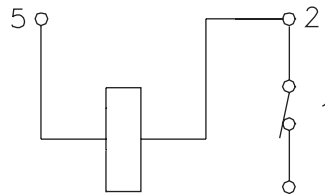
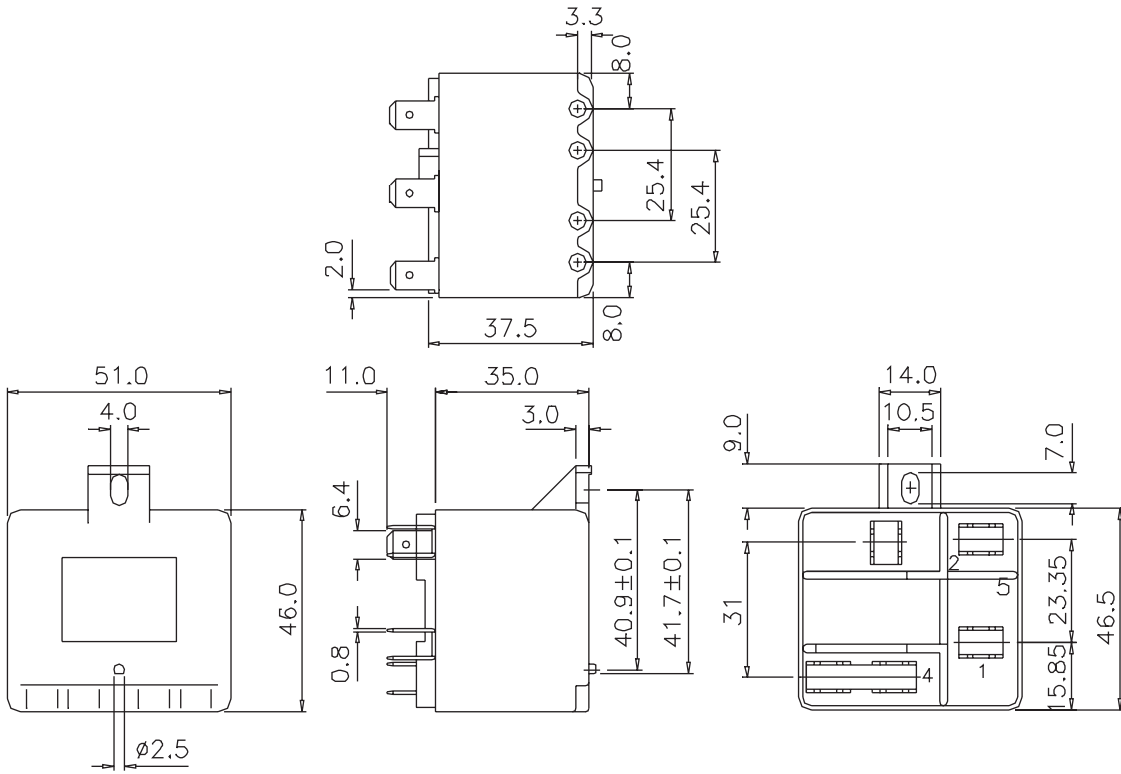
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Terminal Configurations

	5 Screws (2 screws on #4)	5 Twin quick-connect (2 on #4)	3 Screws (#1, 2, 5)	3 Twin quick-connect (#1, 2, 5)
Tab Mount	C	D	H	L
Panel Mount	P	R	U	Z

Outline Dimensions and Wiring Diagram



Specification

Dielectric strength: 1550VAC
(minimum between live parts and exposed non-current carrying metal parts)
 Current draw: 5VA
 Frequency: 50Hz / 60Hz
 Unit weight: 0.2lb

■ Contact Data

Arrangement: SPNC
 Contact material: AgSnO₂In₂O₃
 Contact rating: 35A(break only) 400VAC
 16A(make & break) 400VAC
 Mechanical life: 1,000,000 operations
 Electrical life: 250,000 cycles breaking rated load
 Initial contact resistance: 50mW max. at 0.1A, 6VDC

■ Contact Rating

Form 1Form B(D)
 Make + Break 16A, 250VAC, cos φ =0.85
 Break Only 35A, 250VAC, cos φ =0.85

■ Characteristics

Operate time: 20ms. Max.
 Release time: 20ms. Max.
 Insulation resistance: 500MW, at 500VDC, 50%RH
 Dielectric strength: 1200Vrms, 1min. between open contacts
 Shock resistance: 10g, 11ms. Functional
 Vibration resistance: DA 1.5mm, 10-55Hz
 Ambient temperature: -25°C to 85°C
 Weight: 100g. approx.

■ Coil Data

Coil voltage Code	Resistance (W) +/- 10%	Must operate voltage range (VAC)	Must operate voltage range (VAC)	Power consumption max.
3G	7500	180-195	40-105	5VA
6N	15000	260-280	60-135	

Matrix of Coil number - Operating Characteristics

Operating Characteristics at 50Hz

H.P.U.=Approximate Pick-up at 90°C P.U. and D.O. values at 25°C

Coil number	2		3		4		5		6		7		8		9		
V max at 40°C(V)	299		338		378		356		452		151		530		228		
Resistance±10% at 25°C(Ω)	5600		7500		10700		10000		13800		1500		19500		3900		
	H.P.U.	P.O.	D.O.	P.O.	D.O.	P.O.	D.O.	P.O.	D.O.	P.O.	D.O.	P.O.	D.O.	P.O.	D.O.	P.O.	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					318-342	60-121			314-342	60-135			314-342	75-180		
R	350-370													323-352	75-180		
S	360-380													332-361	75-180		

Operating Characteristics at 60Hz

H.P.U.=Approximate Pick-up at 90°C P.U. and D.O. values at 25°C

Coil number	2		3		4		5		6		7		8		9		
V max at 40°C(V)	332		375		420		395		502		168		588		253		
Resistance±10% at 25°C(Ω)	5600		7500		10700		10000		13800		1500		19500		3900		
	H.P.U.	P.O.	D.O.	P.O.	D.O.	P.O.	D.O.	P.O.	D.O.	P.O.	D.O.	P.O.	D.O.	P.O.	D.O.	P.O.	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		
AQ	340-360					318-342	60-121			314-342	60-135			314-342	75-180		
AR	350-370													323-352	75-180		
AS	360-380													332-361	75-180		