

HLR3800

◆ B级绝缘材料

Class B insulation Material

◆ 为压缩机和泵类产品特别设计

Specially Designed for Compressor And Pump Use

UL, CUL, VDE, TUV, CE, CCC ROHS Mark approved

◆ 典型用途 Typical Applications

Compressors in refrigerator, air conditioner, Hvac, etc
Similar Applications where Starter Relay is used.



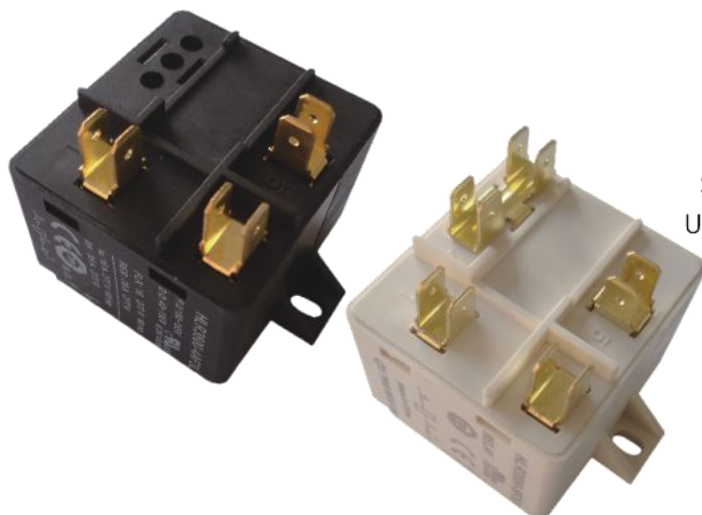
Standards: EN60730
40024050



Standards: UL 508
E251539



Standards: GB 14048.5
2005010303156716



HLR3800 Ordering Information

HLR3800 — **4** **M** **3** **D**

Type: HLR3800启动继电器系列

Packing: —: 工厂散装 (Factory Bulk Pack)

Y: 一只一纸盒 (Individual Box Pack)

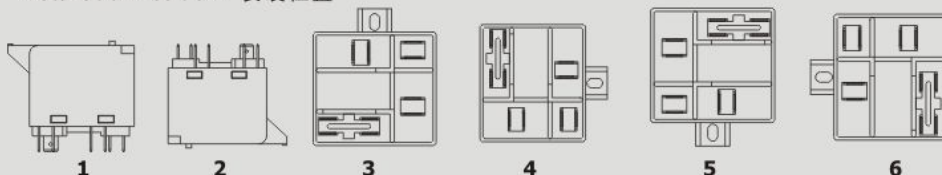
Coil Code: 线圈代码

2#: 5600 Ω 3#: 7500 Ω 4#: 10700 Ω
5#: 10000 Ω 6#: 13800 Ω 7#: 1500 Ω
8#: 19500 Ω 9#: 3900 Ω

Operating Characteristics (Pick-up and Drop-Out): 操作特性

@50Hz A B C D E F G H I L M N O P Q R S
@60Hz AA AB AC AD AE AF AG AH AI AL AM AN AO AP AQ AR AS

Installation Position: 安装位置



Terminal Configuration: 接线端

General: 通用安装 C D H L
Panel Mount: 带固定面板 P R U Z

触点参数 Contact Data

触点形式 Contact Form	SPNC
接触电阻 Contact Resistance	100mΩ Max at 0.1A 6VDC
触点材料 Material	AgCd13. 5, AgSnO2In2O3
触点额定值 UL Rating	16A(make&break) 400VAC cosΦ=0.85 35A(break only) 400VAC cosΦ=0.5
TUV Rating	16A(make&break) 400VAC cosΦ=0.85 50A(break only) 400VAC cosΦ=0.85
最大切换电压 Frequency	50 / 60Hz
机械寿命 Mechanical life	10 x 10 ⁵
电寿命 Electrical life	2.5 x 10 ⁵

产品特性 Characteristics

绝缘电阻 Insulation Resistance	500MΩ, at 500VDC, 50%RH
绝缘强度 Dielectric Strength	断开触点间 Between open contacts 2000VAC 1min
吸合时间 Operate time	20ms Max.
释放时间 Release time	20ms Max.
耐冲击性 Shock Resistance	10g, 11ms, Functional
耐振性 Vibration Resistance	1.5mm, 10 to 55Hz
环境温度 Ambient Temperature	-40°C to +65°C
重量 Unit Weight	100g

产品操作特性

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		
Vmax 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. 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.	P. U.	D.O.	P. U.	D.O.			
A	120-130													114-124	20-45					114-124	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	190-224	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							

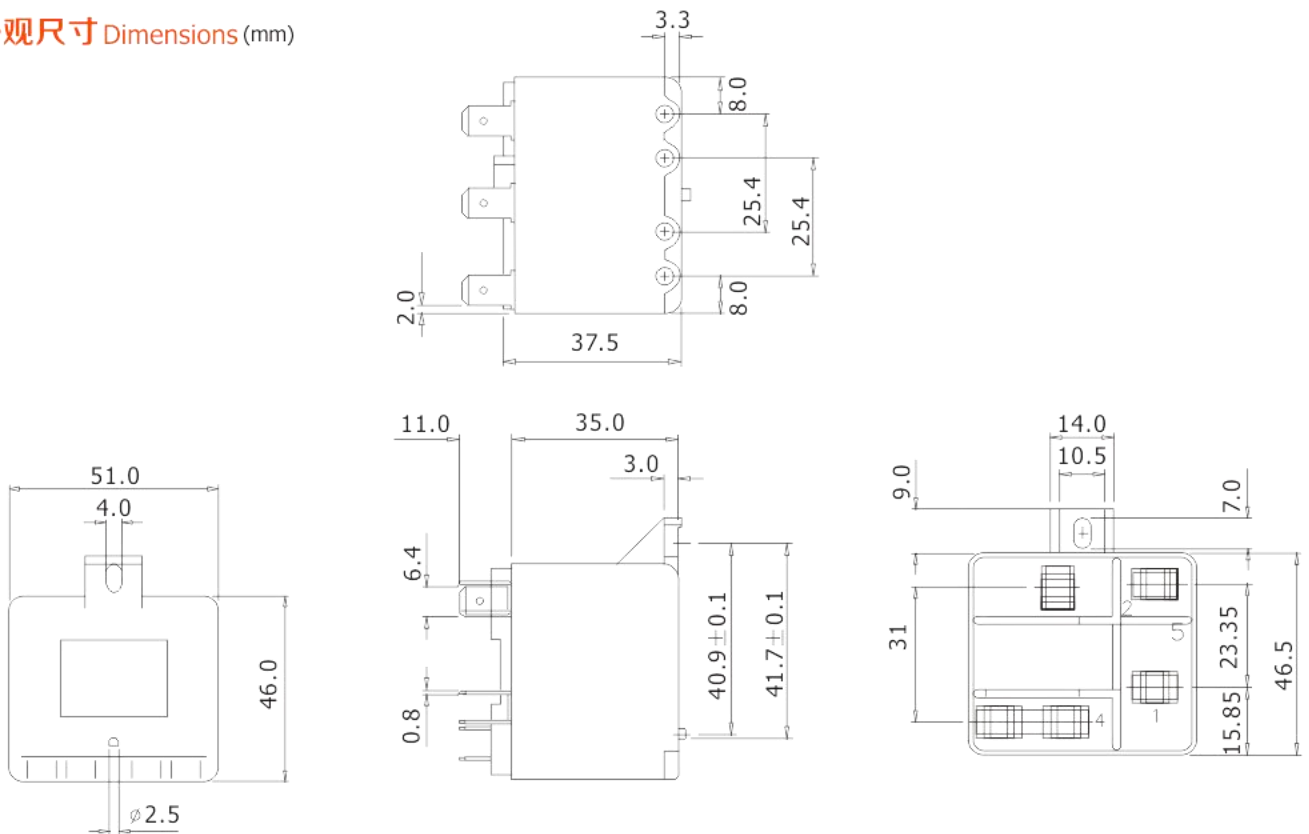
Operating Characteristics At 60hz H.P.U. = Approximate Pick-up at 90 °C P.U. and D.O. values At 25 °C

Coil number	2			3			4			5			6			7			8			9		
Vmax at 40 °C (V)	332			375			420			395			502			168			530			228		
Resistance ± 10% At 25 °C (Ω)	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.	P. U.	D.O.	P. U.	D.O.			
AA	120-130													114-124	20-45					114-124	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					318-347	60-121			314-342	60-135					314-342	75-180							
AR	350-370															323-352	75-180							
AS	360-380															332-361	75-180							

接线方式 Terminal	5 组接线螺母 5 Screws (2 screws on #4)	5 组双 250" 接线片 5 Dual Quick-connect (2 on #4)	3 组接线螺母 3 Screws (#1, 2, 5)	3 组双 250" 接线片 3 Dual Quick-connect (#1, 2, 5)
通用安装 General	C	D	H	L
带固定面板 Panel Mount	P	R	U	Z



外观尺寸 Dimensions (mm)



接线图 Wiring Diagram

