

DG301-5.0



订购方式：



项 目 (Item)	数 据 (Data)		
认证(APPROVAL)			
测试标准(Test standard)	IEC60998-1 / UL1059		
产品间距(Pitch) [mm]	5.0		
极数(Poles)	02-24P		
IEC60998测试数据 (IEC60998 Test data)	/		
额定电压(Rated voltage) [V]	250		
额定电流(Rated current) [A]	17.5		
额定连接容量(Rated connection capacity)(solid/stranded) [mm ²]	1.5		
过压类别/污染等级/绝缘材料组别 (Surge voltage category/pollution degree/material group)	III/2/I		
工频耐压(Withstanding Voltage) [kV/min]	2.0		
额定扭矩(Rated torque) [N.m]	0.29		
UL1059测试数据 (UL1059 Test data)	UL File Number E228872		
应用组别(Use group)	B	C	D
额定电压(Rated voltage) [V]	300	/	300
额定电流(Rated current) [A]	15	/	15
额定连接容量(Rated connection capacity) (solid/stranded) [AWG]	22-14		
额定扭矩 (Rated torque) [Lb. in]	2.60		
通用数据(General data)	/		

螺丝(Screw)	M2.5
阻燃等级(Inflammability class)UL94	V-0
环境温度(Ambient temperature) [°C]	-30~+120
相对湿度(Relative humidity)	5%-95%
抽样检验标准(Inspection standard)	MIL-STD-105E II
允收水准(AQL)	0.65
保质期(Warranty)	12 months
材质和电镀(Material and plating)	/
绝缘材质(Housing)	PBT
螺丝(Screws)	Steel , Zn plated钢,镀锌
触点材料(Contact)	Copper alloy , Sn plated铜合金, 镀锡
弹片(Shrapnel)	Stainless steel不锈钢

接线方法 (Wire connecting)

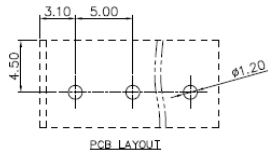
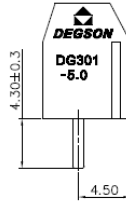
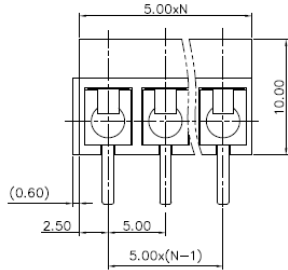
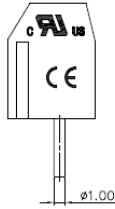
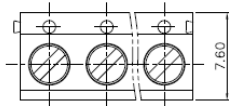
推荐剥线长度5-6mm; Recommended stripping length 5-6mm;

1.) 单股硬导线，剥好对应长度的导线后，用额定的扭力拧紧；
For solid wire, stripping wire to the appointed length, then tightening with rated torque.

2.) 多股柔性导线，剥好对应长度的导线后，可以直接连接或者配套使用对应标准规格的冷压端头，用额定的扭力拧紧；
For stranded wire: stripping wire to the appointed length, mating with corresponding type of ferrule, then tightening with rated torque.

注意事项：扭力要平稳，不能使用爆发力；(Tightening process should be steady, can't use explosive force.)

REVISION RECORD				
REV	ECN	DESCRIPTION	DRFT	DATE



NOTES1:

- UL Standard
- 1. Rated Voltage/Current : 300V / 15A
- 2. Torque Value : M2.5 , 2.60Lb.in
- 3. Wire Range : 22~14AWG

IEC Standard

- 1. Rated Voltage/Current : 250V / 17.5A
- 2. Torque Value : M2.5 , 0.29N.m
- 3. Wire Range : 0.75~1.5mm²

NOTES2:

- 1. Dimension shall be interpreted per ASME Y14.5-2009
- 2. Pitch : 5.0mm, Poles : N=02~24P
- 3. Stripping length : 5~6mm
- 4. Withstanding Voltage : AC2000V/1Min.
- 5. Operating temperature : -30°C~+120°C
- 6. Undimensioned Tolerances:

Finish	Range 1	Normal	Dimension	Range	1	2
min	in	in	in	in	in	in
Over	6	10	Over	30	Over	100
To	10	20	To	60	To	150
6	10	24	30	60	100	150
±0.13	±0.20	±0.30	±0.50	±0.70	±1.00	±1.30

7. RoHS Compliance

DG301 - 5.0 - XXP - 1Y - 00A (H)
 (Series No.) (Pitch) (Poles) (Single Pitch) (Color) 1. (Grey)
 2. (Blue)
 3. (Black)
 4. (Green)
 5. (Orange)
 6. (Red)
 7. (Transparent)
 8. (Yellow)
 9. (White)

PART NO.:			
APPR:	/	NAME:	DG301-5.0-XXP-1Y-00A(H)
CHKD:	/	TITLE:	CUSTOMER DRAWING
DRFT:	/	REV:	DO
		DRAWING NO.:	/
		SHEET:	1/1
		SCALE:	1:1

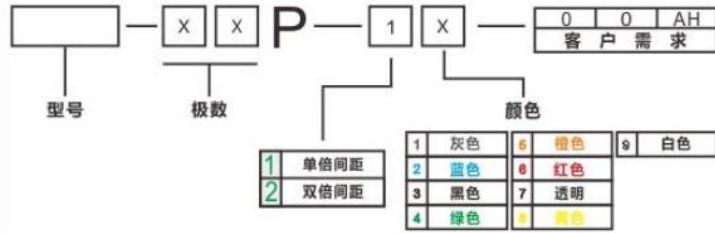




THIRD ANGLE PROJECTION

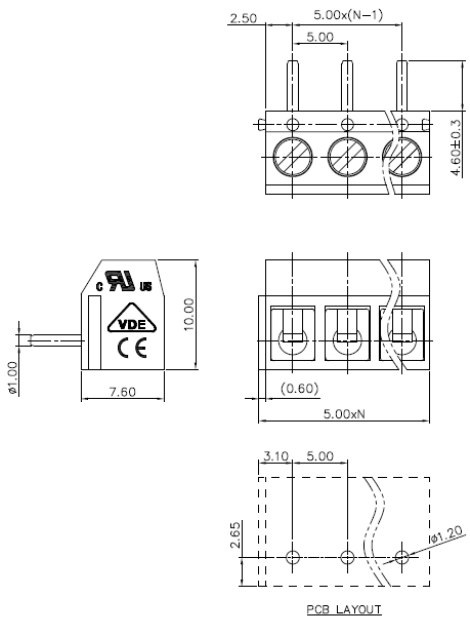
DG301R-5.0



订购方式：



项 目 (Item)	数 据 (Data)		
认证(APPROVAL)	 		
测试标准(Test standard)	IEC/ EN60998-1 : 2004 / UL1059		
产品间距(Pitch) [mm]	5.0		
极数(Poles)	02-24P		
EN60998测试数据 (EN60998 Test data)	VDE certificate NO. 40022078		
额定电压(Rated voltage) [V]	250		
额定电流(Rated current) [A]	17.5		
额定连接容量(Rated connection capacity)(solid/stranded) [mm ²]	0.75-1.5		
过压类别/污染等级/绝缘材料组别 (Surge voltage category/pollution degree/material group)	III/2/I		
工频耐压(Withstanding Voltage) [KV/min]	2.0		
额定扭矩(Rated torque) [N.m]	0.4		
UL1059测试数据 (UL1059Test data)	UL File Number E228872		
应用组别(Use group)	B	C	D
额定电压(Rated voltage) [V]	300	/	300
额定电流(Rated current) [A]	15	/	10
额定连接容量(Rated connection capacity) (solid/stranded) [AWG]	22-14		
额定扭矩 (Rated torque) [Lb. in]	3.54		
通用数据(General data)	/		
螺丝(Screw)	M2.5		
阻燃等级(Inflammability class)UL94	V-0		
环境温度(Ambient temperature) [°C]	-30~+120		
相对湿度(Relative humidity)	5%-95%		
抽样检验标准(Inspection standard)	MIL-STD-105E II		
允收水准(AQL)	0.65		
保质期(Warranty)	12 months		
材质和电镀(Material and plating)	/		
绝缘材质(Housing)	PBT		
螺丝(Screws)	Steel, Zn plated钢,镀锌		
触点材料(Contact)	Copper alloy, Sn plated铜合金, 镀锡		
弹片(Shrapnel)	Stainless steel不锈钢		
接线方法 (Wire connecting)	推荐剥线长度5-6mm; Recommended stripping length 5-6mm; 1.) 单股硬导线, 剥好对应长度的导线后, 用额定的扭力拧紧; For solid wire, stripping wire to the appointed length, then tightening with rated torque. 2.) 多股柔性导线, 剥好对应长度的导线后, 可以直接连接或者配套使用对应标准规格的冷压端头, 用额定的扭力拧紧; For stranded wire: stripping wire to the appointed length, mating with corresponding type of ferrule, then tightening with rated torque.		
注意事项: 扭力要平稳, 不能使用爆发力; (Tightening process should be steady, can't use explosive force.)			

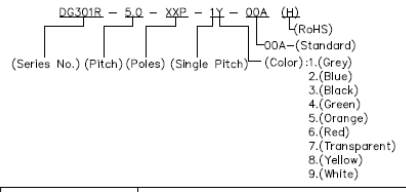


REVISION RECORD				
REV	ECN	DESCRIPTION	DRFT	DATE

- NOTES1:
- UL Standard
 - 1.Rated Voltage/Current : 300V / 15A
 - 2.Torque Value : M2.5 , 3.54Lb.in
 - 3.Wire Range : 22~14AWG
- IEC Standard
- 1.Rated Voltage/Current : 250V / 17.5A
 - 2.Torque Value : M2.5 , 0.4N.m
 - 3.Wire Range : 0.75~1.5mm²
- NOTES2:
- 1.Dimension shall be interpreted per ASME Y14.5-2009
 - 2.Pitch : 5.0mm, Poles : N=02~24P
 - 3.Stripping length : 5~6mm
 - 4.Withstanding Voltage : AC2000V/1Min.
 - 5.Operating temperature: -30°C~+120°C
 - 6.Undimensioned Tolerances:

Pitch	Range	Normal Dimension	Range	Tolerance
mm	Over	mm	Over	
To	To	To	To	
5.0	5.0	5.0	5.0	±0.10
6.0	6.0	6.0	6.0	±0.10
7.5	7.5	7.5	7.5	±0.10
10.0	10.0	10.0	10.0	±0.10
12.5	12.5	12.5	12.5	±0.10
15.0	15.0	15.0	15.0	±0.10
20.0	20.0	20.0	20.0	±0.10
25.0	25.0	25.0	25.0	±0.10
30.0	30.0	30.0	30.0	±0.10
40.0	40.0	40.0	40.0	±0.10
50.0	50.0	50.0	50.0	±0.10
60.0	60.0	60.0	60.0	±0.10
75.0	75.0	75.0	75.0	±0.10
100.0	100.0	100.0	100.0	±0.10
125.0	125.0	125.0	125.0	±0.10
150.0	150.0	150.0	150.0	±0.10
200.0	200.0	200.0	200.0	±0.10
250.0	250.0	250.0	250.0	±0.10
300.0	300.0	300.0	300.0	±0.10
400.0	400.0	400.0	400.0	±0.10
500.0	500.0	500.0	500.0	±0.10
600.0	600.0	600.0	600.0	±0.10
750.0	750.0	750.0	750.0	±0.10
1000.0	1000.0	1000.0	1000.0	±0.10

7.RoHS Compliance



PART NO.:	/ / /		
APPD:	/ / /		
DRFT:	/ / /		
TITLE:	CUSTOMER DRAWING	REV	DO
DRAWING NO.:	/	SHEET	1/1
THIRD ANGLE PROJECTION	← M (MM) →	DO NOT SCALE DRAWING	SCALE 1:1