

G11系列 / G11 Series

防水防尘型双断点微动开关 Sealed DPDP Limit Micro Switch



■ 特点/Features

- ◆ 体型小巧，结构紧凑
- ◆ 长寿命，高可靠性
- ◆ IP67防水防尘设计
- ◆ 双断型转换机构
- ◆ 多种安装方式和操作类型
- ◆ 广泛应用于工业控制等领域

Contact Size and Tight Configuration
Long Life, High Reliability
Dust and Water Proof Design (IP67)
DPDT Double-Break Type
Variety of Mounting Method and Operation Type
Widely used in Industry Control, etc.

■ 应用/Application

- ◆ 电动执行器
- ◆ 阀门控制
- ◆ 电站控制
- ◆ 工业自动化控制
- ◆ 核电设施
- ◆ 汽车生产线

Electrical Actuators
Valve Control
Power Station Control
Industrial Auto Control
Nuclear Power Facilities
Automobile Production Line

■ 特性参数/Parameters

| | | |
|---|---------------|--|
| 额定值Rating | 05 | 0.5A 250VDC |
| | | 0.5A/5A 250VAC |
| 操作频率 Operating Frequency | 电气/Electrical | 10 ~ 30 次/分 cycles/minute |
| | 机械/Mechanical | 120 次/分 cycles/minute |
| 触点电阻 (初始值) /Contact Resistance (Initiative) | | 最大30 ~ 100mΩ (取决于类型,不含电线电阻) /30 ~ 100mΩ Max (Depends on P/Ns, wire resistance exclude) |
| 绝缘电阻/Insulation Resistance | | 在500VDC 时, 100MΩ Min./100MΩ Min(at 500VDC) |
| 抗电强度/Dielectric Strength | | AC 750V RMS (50-60Hz) |
| 保存温度/Storage Temperature | | -25° C ~ +85° C |
| 保存湿度/Storage Humidity | | 85%RH Max |
| 寿命/Service Life | 电气/Electrical | 50,000 次 cycles (取决于类型/Depends on P/Ns) |
| | 机械/Mechanical | 2,000,000次 cycles |
| 单重/Unit Net Weight | | 约110g (八线型) Approx. 110g(8 wires) |

G11系列微动开关订货型号指引 G11 Series Micro Switch Ordering Instruction

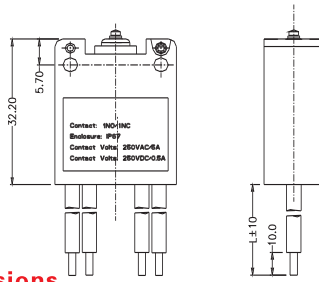
| G11 | 05 | 350 | 00 | D | 01 | E1 | XX | XX |
|---|---|---|---|----------------------------|---|--|------------------------------|--|
| 开关类别 Switch Type | 额定电流 Electrical rating | 操作力(最大值)数据在不带 操作柄时Max. Operating force at pin plunger | 操作柄类型 Lever type | 接触形式 Circuit code | 安装孔尺寸 Mounting hole dimension | 出线类型 Wire type | 特别设计代码 Special designator | 特别设计代码 Special designator |
| G11系列微动开关 G11 Series Micro switch | 0.5A 250VDC 0.5A/1.25A 250VAC 5E4 0.25TR5 (仅适用于四线八线 开关/Only for switches with 4 or 8 wires) | 350g max (适用于四线开关 for switches with 4 wires INO/INC) | 00 不带操作柄 柱式接触 Pin Plunger | D 双断点型 | 01 5.7mmX e 3.1mmX19mm | E1 底面出线 Wires leads to the bottom 线长780mm Wire length:780mm UL1015 AWG18 (NO黑色/NO black/NC棕色 NC brown) | 通用型 General | 此处为特别设计代 码, 具体请参考产 品规格书来确定详细 的差别。 Here means special designator letter, refer to product specification for details. |
| | 450 其他 Other | 450g max (适用于八线开关 for switches with 8 wires 2NO/2NC) | 01 直手柄 Straight lever 宽70mm*长24mm 70mm wide* 24mm long | E DPDT-NO 双断点常 开型 | 02 6.7mmX e 3.1mmX14mm (适用于四线型开关 for switches with 4 wires, INO /INC) | F1 底面出线 Wires leads to the bottom 线长570mm Wire length: 570mm 60227IEC 96(RV) (NO/NC) | | |
| | ... | 其他 Other | 02 直手柄 straight lever 宽77mm*长32mm 77mm wide* 32mm long | F DPDT-NC 双断点常 闭型 | 03 5.7mmX e 3.5mmX16mm- e 3.0mmX7mm (适用于四线型开关 for switches with 4 wires, INO /INC) | G1 底面出线 Wires leads to the bottom 线长400mm wire length: 400mm UL1015 18A W.C (线材颜色: 红/蓝/黑/棕, 外圈 加套PVC柔性套管, wire color: red/blue/black/brown, add PVC tube) | | |
| | | | 03 滚轮手柄 Roller lever | | ... | ... | | 其它线材可根据客户要求定制 others (wire material could be customized) |
| | | | ... | | | | | ... |
| | | | 其他 Other | | | | | |

ZING EAR

■ 出线类型 With Wire Type

◆ 线长规格可按客户要求定制 Wire length could be Customized

底面出线型
wire leads to bottom



■ 安装孔尺寸/Mounting Hole Dimensions

(单位Unit: mm)

| 01型安装孔/01# Mounting Hole 5.7mmX ϕ 3.1mmX19mm | 02型安装孔/02# Mounting Hole 6.7mmX ϕ 3.1mmX14mm | 03型安装孔/03# Mounting Hole 5.7mmX ϕ 3.5mmX16mm_ ϕ 3.0mmX7mm |
|--|--|--|
| | | |

■ 操作柄类型 Lever type

| 00#不带操作柄 Without lever | 01#：直手柄(宽10mm*长24mm) 01#：Straight lever(10mm width*24mm length) |
|--|--|
| | |
| 02#：直手柄(宽7mm*长32mm) 02#：Straight lever(7mm width*32mm length) | 03#：滚轮手柄 03#：Roller lever |
| | |

■ 接触型式 Circuit Configuration

| DPDT 1NO+1NC | DPDT 2NO+2NC |
|--------------|--------------|
| | |

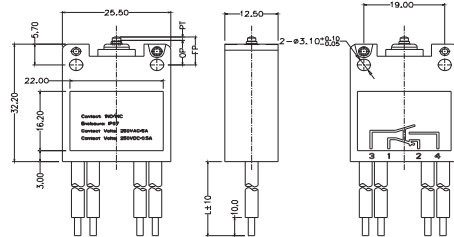
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■外形尺寸和操作特性/Dimenstions and Operating Characteristics

◆G1105-3500D01 □



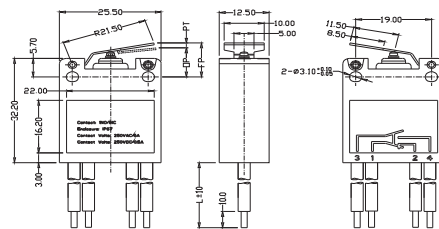
| OF Max. (gf) | RF Min. (gf) | PT Max. (mm) | OT Min. (mm) | MD Max. (mm) | FP Max. (mm) | OP(mm) |
|--------------|--------------|--------------|--------------|--------------|--------------|-----------|
| 350 | 40 | 1.30 | 0.25 | 0.45 | 8.6 | 7.0 ± 0.3 |



◆G1105-3501D01 □



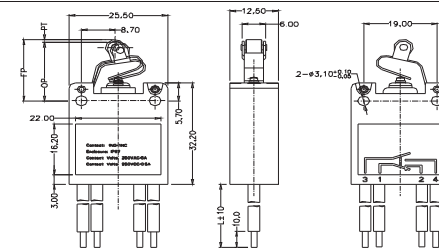
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|--------------|--------------|--------------|--------------|--------------|--------------|-----------|
| 200 | 10 | 3.00 | 0.3 | 1.3 | 12.8 | 8.9 ± 0.9 |



◆G1105-3503D01 □



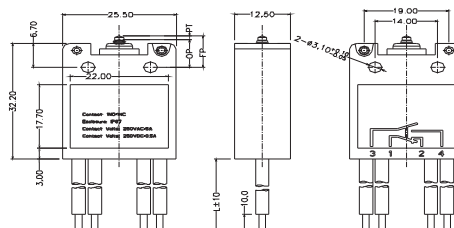
| OF Max. (gf) | RF Min. (gf) | PT Max. (mm) | OT Min. (mm) | MD Max. (mm) | FP Max. (mm) | OP(mm) |
|--------------|--------------|--------------|--------------|--------------|--------------|------------|
| 450 | 40 | 3.00 | 0.3 | 1.3 | 23.0 | 19.0 ± 1.0 |



◆G1105-3500D02 □



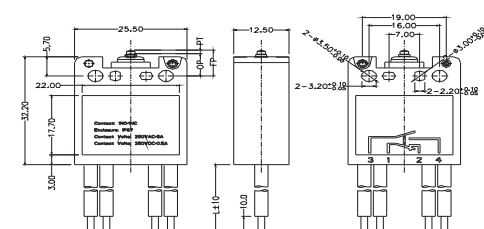
| OF Max. (gf) | RF Min. (gf) | PT Max. (mm) | OT Min. (mm) | MD Max. (mm) | FP Max. (mm) | OP(mm) |
|--------------|--------------|--------------|--------------|--------------|--------------|-----------|
| 350 | 40 | 1.30 | 0.25 | 0.45 | 9.6 | 8.0 ± 0.3 |



◆G1105-3500D03 □



| OF Max. (gf) | RF Min. (gf) | PT Max. (mm) | OT Min. (mm) | MD Max. (mm) | FP Max. (mm) | OP(mm) |
|--------------|--------------|--------------|--------------|--------------|--------------|-----------|
| 350 | 40 | 1.30 | 0.25 | 0.45 | 8.6 | 7.0 ± 0.3 |



◆G1105-4500D01 □



| OF Max. (gf) | RF Min. (gf) | PT Max. (mm) | OT Min. (mm) | MD Max. (mm) | FP Max. (mm) | OP(mm) |
|--------------|--------------|--------------|--------------|--------------|--------------|-----------|
| 450 | 50 | 1.30 | 0.25 | 0.45 | 8.6 | 7.0 ± 0.3 |

