

Overview

Product information



DSR-K12-30010000257

Emergency stop buttons, safety gates, safety light curtain inputs, monitored manual reset, 3NO+1NC

Product advantages

- TÜV
- Monitor manual reset
- 3NO+1NC

Product certification

Technical data

Product drawing

3D model

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Input

| | |
|---------------------|--|
| Current consumption | ≤ 50mA/24V DC |
| Cable resistance | ≤ 15Ω |
| Input devices | E-STOP button, Safety gate, PNP safety light curtain |

Output

| | |
|-------------------------|------------------------------|
| Signal type | 3NO + 1NC |
| Contact type | Forced guided |
| Contact material | AgSnO ₂ +0.2μmAu |
| Contact loading | AC-15: 5A/230V, DC-13:5A/24V |
| Contact fuse protection | 10A gL/gG(NO), 6A gL/gG(NC) |

Times

| | |
|---------------------------|---|
| Switch-on | Auto: ≤ 300ms, Manual: ≤ 150ms |
| Release | E-stop: ≤ 30ms, Power failure: ≤ 100ms |
| Recovery time | E-stop: ≤ 30ms+T , Power failure: ≤ 100ms |
| Supply short interruption | 20ms |

Environmental

| | |
|--------------------------|---|
| EMC | IEC/EN60947, IEC61326-3-1, IEC/EN61000-6-2, IEC/EN61000-6-4 |
| Rated insulation voltage | 250V AC |
| Rated impulse voltage | 6000V(1.2/50μs) |
| Dielectric strength | 1500V AC, 1min |
| Clearance and creepage | IEC60947-1 |
| Vibration | 10Hz ~ 55Hz, 0.35mm |
| Overvoltage category | III |
| Pollution degree | 2 |
| Protection type | IP20 |
| Ambient temperature | -20°C~ +60°C |
| Storage temperature | -40°C~ +80°C |
| Relative humidity | 10 %RH ~ 90 %RH(40 °C) |
| Atmosphere pressure | 80kPa~106kPa |
| Operating altitude | ≤ 2000m |

Mechanical

| | |
|-----------------|-----------------|
| Mechanical life | 10000000 cycles |
| Connect type | Screw terminal |
| Weight | 180g |

Safety Values

| | |
|-------------------------|--------------------|
| Performance level | PLe,ISO13849 |
| Category | Cat.4,ISO13849 |
| DTI | ISO13849 |
| PTI | 20 Years,ISO13849 |
| DC | 99%,ISO13849 |
| MTTF | 164 Years,ISO13849 |
| CCF | 68,ISO13849 |
| SIL | SIL3,IEC61508 |
| SIL CL | SILCL3,IEC62061 |
| HFT | 1,IEC62061 |
| SFF | ≥99%,IEC62061 |
| DC (AVG)/PTI = 20 years | IEC62061 |
| PFH | IEC62061 |
| Stop Category | 0,IEC60204 |

Power supply

| | |
|-------------------|-------------------------------|
| Voltage range | 24V AC/DC |
| Voltage tolerance | 0.85 ~ 1.1 |
| AC frequency | 50Hz ~ 60Hz |
| Power dissipation | ≤ 2.2W/24V DC, ≤ 5.4VA/24V AC |

Accessories

Business data

| | |
|--------------|-------------|
| Order number | 30010000257 |
| Packing unit | 1 |

| | |
|-------------------------------------|-----|
| Minimum order quantity | 1 |
| Products weight (without packaging) | 180 |