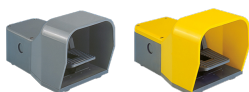


## PRODUCT-DETAILS

# IPSG1A22

## IPSG1A22 Foot Switch



### General Information

|                       |                                                                                                                                                                                                      |
|-----------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Extended Product Type | IPSG1A22                                                                                                                                                                                             |
| Product ID            | 1SBV002106R1122                                                                                                                                                                                      |
| EAN                   | 3471522009753                                                                                                                                                                                        |
| Catalog Description   | IPSG1A22 Foot Switch                                                                                                                                                                                 |
| Long Description      | IPSG1A22 is a Covered Foot Switch with grey base and grey ABS cover. The pedal movement is free and the switch is equipped with 1 Pg16 cable entry and 2 N.O + 2 N.C snap action (Za type) contacts. |

### Ordering

|                        |               |
|------------------------|---------------|
| EAN                    | 3471522009753 |
| Minimum Order Quantity | 1 piece       |
| Customs Tariff Number  | 85364900      |

### Dimensions

|                            |        |
|----------------------------|--------|
| Product Net Width          | 140 mm |
| Product Net Height         | 138 mm |
| Product Net Depth / Length | 280 mm |
| Product Net Weight         | 1.2 kg |

## Container Information

|                                |               |
|--------------------------------|---------------|
| Package Level 1 Units          | box 1 piece   |
| Package Level 1 Width          | 160 mm        |
| Package Level 1 Height         | 160 mm        |
| Package Level 1 Depth / Length | 300 mm        |
| Package Level 1 Gross Weight   | 1.37 kg       |
| Package Level 1 EAN            | 3471522009753 |
| Package Level 2 Units          | 2 piece       |
| Package Level 2 Gross Weight   | 2.2 kg        |

## Environmental

|                                                |                                                                              |
|------------------------------------------------|------------------------------------------------------------------------------|
| Ambient Air Temperature                        | Operation -10 ... +70 °C<br>Storage -30 ... +80 °C                           |
| Resistance to Vibrations acc. to IEC 60068-2-6 | 25g (10 to 500 Hz) no change in position of contacts greater than 100 µs     |
| Resistance to Shock acc. to IEC 60068-2-27     | Half-sine Pulse for 11 ms, No Change in Contact Position 50 m/s <sup>2</sup> |
| RoHS Status                                    | Following EU Directive 2011/65/EU                                            |

## Technical UL/CSA

|                                           |              |
|-------------------------------------------|--------------|
| Pilot Duty of Contact Elements acc. UL508 | A600<br>Q600 |
| Flammability According to UL94            | V-0          |

## Additional Information

|                                                            |                                                                                                                                               |
|------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| Action Type of the Contact Element (acc. to IEC 60947-5-1) | Snap action contacts                                                                                                                          |
| Actuation Torque                                           | acc. to IEC 60947-5-1 Min. 0.25 N·m                                                                                                           |
| Base Color                                                 | Grey                                                                                                                                          |
| Cable Outlets Per Side                                     | 1 pre-pressed Pg16 knockout on each side                                                                                                      |
| Climatic Withstand                                         | according to IEC 68-2-3 and salty mist according to IEC 68-2-11                                                                               |
| Conventional Free-air Thermal Current ( $I_{th}$ )         | acc. to IEC 60947-5-1, q = 40 °C 10 A                                                                                                         |
| Connecting Capacity                                        | Bar AWG 20 ... AWG 14 mm <sup>2</sup><br>Bar 0.5 ... 2.5 mm <sup>2</sup>                                                                      |
| Contact Element Form (acc. to IEC 60947-5-1)               | Za                                                                                                                                            |
| Connecting Terminals (delivered in open position)          | M3.5 (+,-) screw Phillips head  with captive cable gland |
| Cover Color                                                | grey                                                                                                                                          |
| Degree of Protection                                       | acc. to IEC 60529 IP65                                                                                                                        |

|                                                     |                                                                                    |
|-----------------------------------------------------|------------------------------------------------------------------------------------|
| Electrical Shock<br>Protection acc. to IEC 536      | Double insulation - Class II                                                       |
| Mechanical Durability                               | 30 million                                                                         |
| Number of Auxiliary<br>Contacts NC                  | 2                                                                                  |
| Number of Auxiliary<br>Contacts NO                  | 2                                                                                  |
| Number and Type of<br>Bottom Cable Glands           | Pg 16 Cable Gland                                                                  |
| Operating Angle of the<br>Foot Switch Pedal         | 15 DD                                                                              |
| Operating Format                                    | free movement                                                                      |
| Order Multiple                                      | 1 piece                                                                            |
| Positive Opening<br>Operation of NC Contact<br>(s)  | Yes                                                                                |
| Product Main Type                                   | Foot Switches                                                                      |
| Product Name                                        | Foot switch                                                                        |
| Rated Frequency (f)                                 | Supply Circuit 50 60 Hz                                                            |
| Rated Impulse Withstand<br>Voltage ( $U_{imp}$ )    | 6 kV                                                                               |
| Rated Insulation Voltage<br>( $U_i$ )               | acc. to IEC 60947-5-1 and VDE 0110 (Gr. C) 690 V<br>acc. to UL/CSA 600 V           |
| Rated Operational Current<br>AC-15 ( $I_{\theta}$ ) | (400 V) NC 4<br>(24 V) 10 A<br>(130 V) 5.5 A                                       |
| Rated Operational Current<br>DC-13 ( $I_{\theta}$ ) | (24 V) 2.8 A<br>(110 V) 0.6 / 66 A<br>(250 V) 0.27 A                               |
| Resistance Between<br>Contacts                      | 25 E45                                                                             |
| RoHS Date                                           | 20171115                                                                           |
| Standards                                           | IEC 60947-1, IEC 60947-5-1, EN 60947-1, EN 60947-5-1, UL 508 and CSA<br>C22-2 N°14 |
| Terminal Marking                                    | according to EN 50013                                                              |

## Certificates and Declarations (Document Number)

|                                      |                     |
|--------------------------------------|---------------------|
| CQC Certificate                      | CQC2004010305127663 |
| cUL Certificate                      | 9AKK107991A7379     |
| Data Sheet, Technical<br>Information | 1SBC001699R1002     |
| Declaration of Conformity<br>- CCC   | 2020980305001785    |
| Declaration of Conformity<br>- CE    | 1SBD250881U1000     |
| Environmental Information            | 1SBD250111E1000     |
| Instructions and Manuals             | 1SBC001699R1002     |
| RoHS Information                     | 1SBD250881U1000     |

## Classifications

ETIM 4

EC001829 - Position switch modular

|                                       |                                                            |
|---------------------------------------|------------------------------------------------------------|
| ETIM 5                                | EC001829 - Position switch modular                         |
| ETIM 6                                | EC001258 - Foot switch                                     |
| ETIM 7                                | EC001258 - Foot switch                                     |
| UNSPSC                                | 39121500                                                   |
| WEEE Category                         | 5. Small Equipment (No External Dimension More Than 50 cm) |
| IDEA Granular Category<br>Code (IGCC) | 5275 >> Foot switch                                        |

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## Categories

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Low Voltage Products and Systems → Control Products → Sensors → Limit Switches

