

Product data sheet

Characteristics

XPER529

Foot switch, Harmony XPE, single IP66, with cover, metallic, orange, 2 NC + 2 NO



Main

| | |
|-------------------------------|---------------------------|
| Range of product | Harmony XPE |
| Product or component type | Foot switch |
| Material | Metal |
| Foot switch type | Single foot switch |
| Device short name | XPER |
| Provided equipment | Cover |
| Trigger mechanism | With trigger mechanism |
| Contact operation | 1 step with analog output |
| Contacts type and composition | 2 NC + NO |
| Colour | Orange |

Complementary

| | |
|--|--|
| Positive opening | With conforming to EN/IEC 60947-5-1 appendix K |
| [Us] rated supply voltage | 24...48 V DC |
| Supply voltage limits | 19...58 V |
| Current consumption | 4 mA no load |
| Output current drift | -12...2 % at -25...70 °C -6...2 % at 0...50 °C |
| Connections - terminals | Screw clamp terminal, <= 1 x 2.5 mm ² with or without cable end Screw clamp terminal, <= 2 x 1.5 mm ² with or without cable end |
| Cable entry | 2 entries tapped for Pg 16 cable gland |
| Mechanical durability | 15000000 cycles |
| [Ie] rated operational current | 3 A, 240 V, AC-15, A300 0.27 A, 250 V, DC-13, Q300 conforming to EN/IEC 60947-5-1 appendix A |
| [Ui] rated insulation voltage | 500 V (pollution degree 3) conforming to EN/IEC 60947-1 500 V (pollution degree 3) conforming to NF C 20-040 group C 500 V (pollution degree 3) conforming to VDE 0110 group C 300 V conforming to UL 508 300 V conforming to CSA C22.2 No 14 |
| [Uimp] rated impulse withstand voltage | 6 kV EN/IEC 60947-1 |
| Maximum resistance across terminals | 25 MΩ conforming to IEC 60255-7 category 3 25 MΩ conforming to NF C 93-050 method A |
| Short-circuit protection | 10 A cartridge fuse type gG conforming to EN/IEC 60947-5-1 10 A cartridge fuse type gG conforming to VDE 0660-200 |
| Rated operational power in W | 10 W DC-13, operating rate <60 cyc/mn, 5000000 cycles, 24 V, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 4 W DC-13, operating rate <60 cyc/mn, 5000000 cycles, 120 V, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C 7 W DC-13, operating rate <60 cyc/mn, 5000000 cycles, 48 V, load factor: 0.5 conforming to EN/IEC 60947-5-1 appendix C |
| Net weight | 2.6 kg |

Environment

| | |
|---------------------------------------|--|
| Standards | NF E 09-031 |
| Product certifications | FIMKO |
| Protective treatment | TC |
| Ambient air temperature for operation | -25...70 °C |
| Ambient air temperature for storage | -40...70 °C |
| Vibration resistance | 15 gn (f= 10...500 Hz) conforming to IEC 60068-2-6 |

The information provided in this documentation contains general descriptions and/or technical characteristics of the performance of the products contained herein. This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications. It is the duty of any such user or integrator to perform the appropriate and complete risk analysis, evaluation and testing of the products with respect to the relevant specific application or use thereof. Neither Schneider Electric Industries SAS nor any of its affiliates or subsidiaries shall be responsible or liable for misuse of the information contained herein.

| | |
|-------------------------|---|
| Shock resistance | 150 gn conforming to NF E 09-031 20 gn conforming to IEC 60068-2-27 |
| Overvoltage category | Class I conforming to EN/IEC 61140 Class I conforming to NF C 20-030 |
| IP degree of protection | IP66 conforming to IEC 60529 IP669 conforming to NF C 20-010 |

Packing Units

| | |
|------------------------------|----------|
| Unit Type of Package 1 | PCE |
| Number of Units in Package 1 | 1 |
| Package 1 Weight | 2.924 kg |
| Package 1 Height | 15.1 cm |
| Package 1 width | 15.3 cm |
| Package 1 Length | 17.7 cm |

Offer Sustainability

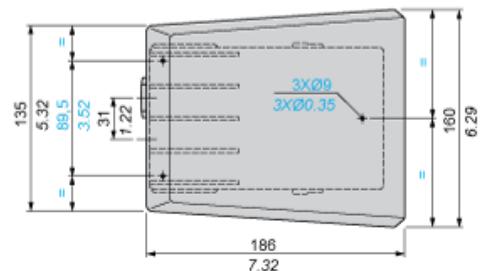
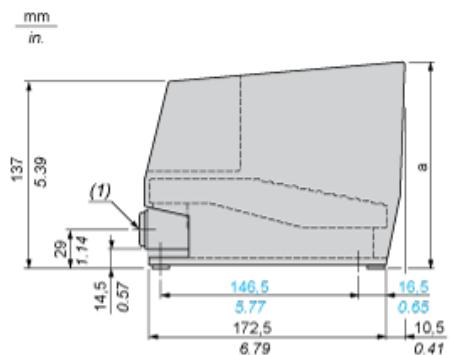
| | |
|----------------------------|--|
| Sustainable offer status | Green Premium product |
| REACH Regulation |  REACH Declaration |
| REACH free of SVHC | Yes |
| EU RoHS Directive | Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration |
| Toxic heavy metal free | Yes |
| Mercury free | Yes |
| RoHS exemption information |  Yes |
| China RoHS Regulation |  China RoHS Declaration |
| Environmental Disclosure |  Product Environmental Profile |
| WEEE | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins |

Contractual warranty

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|----------|-----------|
| Warranty | 18 months |
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Single Pedal Metal Foot Switch with Protective Cover

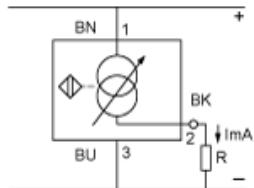
Dimensions



(1) 2 tapped entries for n° 16 (Pg 16) cable gland. For ISO M20, use adaptor DE9RA620.

Foot Switch with Analog Output

Wiring Diagram



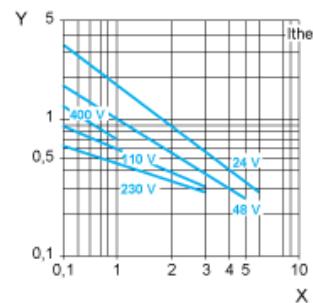
BN Brown
BU Blue
BK Black

Electrical Durability of Contacts

AC-15 Utilization Category

Operating rate: 3600 operating cycles/hour. Load factor: 0.5.

Inductive circuit:

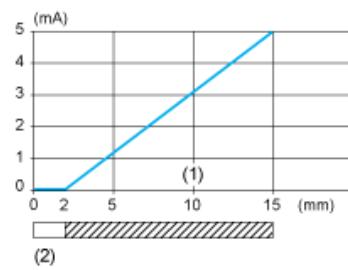


X Current in A
Y Millions of operating cycles

DC-13 Utilization Category

Refer to the product characteristic "Operational power in W".

Analog Output Current Curve



(1) Pedal travel
(2) Change of contact state