

Product data sheet

Specifications



Safety limit switch, Telemecanique
Safety switches XCS, metal, steel
plunger, 2NC+1 NO, 1 entry tapped
M20 x 1.5

XCSD3710P20

Main

| | |
|-------------------------------|--|
| Range Of Product | Telemecanique Safety switches XCS |
| Product Or Component Type | Safety limit switch |
| Component Name | XCSD |
| Design | Compact |
| Material | Metal |
| Head Type | Plunger head |
| Protection Technology | Plastic protective cover, secured by 5-lobe socket head safety screw |
| Type Of Approach | On end approach |
| Type Of Operator | Metal end plunger |
| Contacts Type And Composition | 1 NC + 1 NC + 1 NO |
| Contact Operation | Slow-break, break before make |
| Cable Entry | 1 entry tapped for M20 x 1.5 |

Complementary

| | |
|--|--|
| Electrical Connection | Terminal |
| Clamping Connection Capacity | 1 x 0.34...2 x 0.75 mm ² |
| Number Of Poles | 3 |
| Positive Opening | With NC contact |
| Mechanical Durability | 15000000 cycles |
| Minimum Force For Tripping | 15 N |
| Positive Opening Minimum Force | 45 N |
| Minimum Actuation Speed | 0.01 m/s |
| Maximum Actuation Speed | 0.5 m/s |
| Contact Code Designation | B300, AC-15 (Ue = 240 V, Ie = 1.5 A) conforming to EN/IEC 60947-5-1 appendix A R300, DC-13 (Ue = 250 V, Ie = 0.1 A) conforming to EN/IEC 60947-5-1 appendix A |
| [Ithe] Conventional Enclosed Thermal Current | 6 A |
| [Ui] Rated Insulation Voltage | 300 V conforming to UL 508 400 V (pollution degree 3) conforming to EN/IEC 60947-1 300 V conforming to CSA C22.2 No 14 |
| [Uimp] Rated Impulse Withstand Voltage | 4 kV conforming to EN/IEC 60947-1 4 kV conforming to IEC 60664 |
| Maximum Resistance Across Terminals | 25 MOhm conforming to IEC 60255-7 category 3 |
| Short-Circuit Protection | 6 A cartridge fuse type gG (gl) |

Disclaimer: 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

| | |
|--------------------|---|
| Repeat Accuracy | 0.1 mm on tripping points, 1 million operating cycles for head with end plunger |
| Body Material | Zamak |
| Head Material | Zamak |
| Enclosure Material | Plastic |
| Depth | 35 mm |
| Height | 89 mm |
| Width | 34 mm |
| Net Weight | 0.215 kg |

Environment

| | |
|---------------------------------------|--|
| Standards | UL 508 EN/IEC 60947-5-1 CSA C22.2 No 14 EN/IEC 60204-1 EN 1088/ISO 14119 |
| Product Certifications | UL CSA |
| Safety Level | Can reach category 4 with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 Can reach PL = e with the appropriate monitoring system and correctly wired conforming to EN/ISO 13849-1 Can reach SIL 3 with the appropriate monitoring system and correctly wired conforming to IEC 61508 |
| Safety Reliability Data | B10d = 50000000 value given for a life time of 20 years limited by mechanical or contact wear |
| Protective Treatment | TC |
| Ambient Air Temperature For Operation | -25...70 °C |
| Ambient Air Temperature For Storage | -40...70 °C |
| Vibration Resistance | 25 gn (f= 10...500 Hz) conforming to IEC 60068-2-6 |
| Shock Resistance | 50 gn for 11 ms conforming to IEC 60068-2-27 |
| Electrical Shock Protection Class | Class I conforming to NF C 20-030 |
| Ip Degree Of Protection | IP66 conforming to IEC 60529 IP67 conforming to IEC 60529 |
| Ik Degree Of Protection | IK06 conforming to EN 50102 |

Packing Units

| | |
|------------------------------|---------|
| Unit Type Of Package 1 | PCE |
| Number Of Units In Package 1 | 1 |
| Package 1 Height | 13.2 cm |
| Package 1 Width | 3.4 cm |
| Package 1 Length | 5.0 cm |
| Package 1 Weight | 205.0 g |
| Unit Type Of Package 2 | S01 |
| Number Of Units In Package 2 | 21 |
| Package 2 Height | 15.0 cm |
| Package 2 Width | 15.0 cm |
| Package 2 Length | 40.0 cm |

| | |
|------------------|---------|
| Package 2 Weight | 4.53 kg |
|------------------|---------|

Contractual warranty

| | |
|----------|-----------|
| Warranty | 18 months |
|----------|-----------|

Sustainability

Green Premium™ label is Schneider Electric's commitment to delivering products with best-in-class environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO₂ products.

Guide to assessing product sustainability is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

[Learn more about Green Premium >](#)

[Guide to assess a product's sustainability >](#)



RoHS/REACH

Well-being performance

✓ Mercury Free

✓ Rohs Exemption Information [Yes](#)

Certifications & Standards

| | |
|---------------------------|--|
| Reach Regulation | REACH Declaration |
| Eu Rohs Directive | Pro-active compliance (Product out of EU RoHS legal scope) |
| Circularity Profile | No need of specific recycling operations |
| California Proposition 65 | WARNING: This product can expose you to chemicals including: Diisononyl phthalate (DINP), which is known to the State of California to cause cancer, and Diisodecyl phthalate (DIDP), which is known to the State of California to cause birth defects or other reproductive harm. For more information go to www.P65Warnings.ca.gov |