

# XPSVNE3742P

module XPSVN - zero speed detection - 230 V  
DC for motor power supply ≤ 60 Hz



## Main

|                               |                                                                                                                                                                                                                                                                                                                                   |
|-------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Range of product              | Preventa Safety automation                                                                                                                                                                                                                                                                                                        |
| Product or component type     | Preventa safety module                                                                                                                                                                                                                                                                                                            |
| Safety module name            | XPSVNE                                                                                                                                                                                                                                                                                                                            |
| Safety module application     | For zero speed detection                                                                                                                                                                                                                                                                                                          |
| Function of module            | Monitoring star-delta motor starter and guard switch type XCS E<br>Monitoring 3-phase motor + variable speed drive<br>Monitoring XPS AK<br>Monitoring dc motor<br>Monitoring 3-phase motor with variable number of poles and star-delta starting<br>Monitoring 3-phase motor<br>Monitoring 3-phase motor with star-delta starting |
| Safety level                  | Can reach PL d/category 3 conforming to EN/ISO 13849-1<br>Can reach SILCL 2 conforming to EN/IEC 62061                                                                                                                                                                                                                            |
| Safety reliability data       | MTTFd = 124.1 years conforming to EN/ISO 13849-1<br>DC > 99 % conforming to EN/ISO 13849-1<br>PFHd = 9.26E-9 1/h conforming to EN/IEC 62061                                                                                                                                                                                       |
| [Us] rated supply voltage     | 230 V AC - 15...10 %                                                                                                                                                                                                                                                                                                              |
| Output type                   | Relay, 1 NO + 1 NC circuit(s), volt-free                                                                                                                                                                                                                                                                                          |
| Number of additional circuits | 2 solid state outputs                                                                                                                                                                                                                                                                                                             |

## Complementary

|                                             |                                                                                                                                                                                                                                                  |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Product destination                         | For motor power supply ≤ 60 Hz                                                                                                                                                                                                                   |
| Maximum power consumption in VA             | 7 VA                                                                                                                                                                                                                                             |
| Input voltage                               | 500 Vrms                                                                                                                                                                                                                                         |
| Input detection threshold                   | 0.01...0.1 V                                                                                                                                                                                                                                     |
| Breaking capacity                           | 180 VA holding AC-15 C300 relay output<br>1800 VA inrush AC-15 C300 relay output                                                                                                                                                                 |
| Breaking capacity                           | 1.2 A at 24 V (DC-13) time constant: 50 ms for NC relay output circuit<br>1.5 A at 24 V (DC-13) time constant: 50 ms for NO relay output circuit<br>10 mA at 48 V for solid state output circuit<br>20 mA at 24 V for solid state output circuit |
| [Ith] conventional free air thermal current | 2.5 A for relay output                                                                                                                                                                                                                           |
| Associated fuse rating                      | 4 A gG for relay output conforming to EN/IEC 60947-5-1, DIN VDE 0660 part 200                                                                                                                                                                    |
| Minimum output current                      | 10 mA for relay output                                                                                                                                                                                                                           |
| Minimum output voltage                      | 17 V for relay output                                                                                                                                                                                                                            |
| [Ui] rated insulation voltage               | 300 V (pollution degree 2) conforming to IEC 60947-5-1<br>300 V (pollution degree 2) conforming to DIN VDE 0110 parts 1 and 2                                                                                                                    |
| [Uimp] rated impulse withstand voltage      | 4 kV overvoltage category III conforming to IEC 60947-5-1<br>4 kV overvoltage category III conforming to DIN VDE 0110 parts 1 and 2                                                                                                              |
| Local signalling                            | 4 LEDs                                                                                                                                                                                                                                           |

The information provided in this documentation contains general descriptions and/or technical characteristics of the products 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 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.

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
|-------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Connections - terminals | Captive screw clamp terminals, removable terminal block flexible cable: 0.2...1.5 mm <sup>2</sup> without cable end, 2 wires<br>Captive screw clamp terminals, removable terminal block flexible cable: 0.2...2.5 mm <sup>2</sup> without cable end, 1 wire<br>Captive screw clamp terminals, removable terminal block flexible cable: 0.25...1 mm <sup>2</sup> with cable end, without bezel, 2 wires<br>Captive screw clamp terminals, removable terminal block flexible cable: 0.25...2.5 mm <sup>2</sup> with cable end, with bezel, 1 wire<br>Captive screw clamp terminals, removable terminal block flexible cable: 0.25...2.5 mm <sup>2</sup> with cable end, without bezel, 1 wire<br>Captive screw clamp terminals, removable terminal block flexible cable: 0.5...1.5 mm <sup>2</sup> with cable end, with double bezel, 2 wires<br>Captive screw clamp terminals, removable terminal block solid cable: 0.2...1 mm <sup>2</sup> without cable end, 2 wires<br>Captive screw clamp terminals, removable terminal block solid cable: 0.2...2.5 mm <sup>2</sup> without cable end, 1 wire |
| Mounting support        | 35 mm symmetrical DIN rail                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Depth                   | 114 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| Height                  | 99 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Width                   | 45 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| Net weight              | 0.6 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

## Environment

|                                       |                                                                                            |
|---------------------------------------|--------------------------------------------------------------------------------------------|
| Standards                             | EN/IEC 60947-5-1<br>EN/IEC 60204-1                                                         |
| Product certifications                | TÜV<br>UL<br>CSA                                                                           |
| IP degree of protection               | IP20 (terminals) conforming to EN/IEC 60529<br>IP40 (enclosure) conforming to EN/IEC 60529 |
| Ambient air temperature for operation | -10...55 °C                                                                                |
| Ambient air temperature for storage   | -25...85 °C                                                                                |

## Packing Units

|                  |          |
|------------------|----------|
| Package 1 Weight | 0.385 kg |
| Package 1 Height | 0.650 dm |
| Package 1 width  | 1.250 dm |
| Package 1 Length | 1.050 dm |

## Offer Sustainability

|                            |                                                                                                                                                                                      |
|----------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Sustainable offer status   | Green Premium product                                                                                                                                                                |
| REACH Regulation           |  <a href="#">REACH Declaration</a>                                                                |
| EU RoHS Directive          | Pro-active compliance (Product out of EU RoHS legal scope)  <a href="#">EU RoHS Declaration</a> |
| Mercury free               | Yes                                                                                                                                                                                  |
| RoHS exemption information |  <a href="#">Yes</a>                                                                              |
| China RoHS Regulation      |  <a href="#">China RoHS Declaration</a>                                                           |
| Environmental Disclosure   |  <a href="#">Product Environmental Profile</a>                                                    |
| Circularity Profile        |  <a href="#">End Of Life Information</a>                                                          |
| WEEE                       | The product must be disposed on European Union markets following specific waste collection and never end up in rubbish bins                                                          |
| PVC free                   | Yes                                                                                                                                                                                  |

## Contractual warranty

|          |           |
|----------|-----------|
| Warranty | 18 months |
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## Dimensions

