

XPSUAT33A3AC

Sikkerhetsrelé universal kat. 4 med 2xPNP
+1xNPN inn og 3xNO+3xNO/1xNC(timer) ut m/
fjær og 48-240V





Teknisk informasjon

Produktspekter	Harmony Safety Automation
Produkt eller type komponent	Safety module
Sikkerhetsmodul navn	XPSUAT
Safety module application	Monitoring antivalent contacts For emergency stop, guard and light curtain monitoring Monitoring of pressure-sensitive 4-wire protective devices
Modulfunksjon	Emergency stop button with 2 NC contacts Guard monitoring with 1 or 2 limit switches Monitoring 2 PNP sensors Magnetic switch monitoring Light curtain monitoring RFID switch Monitoring of electro-sensitive protection equipment (ESPE) Sensing mat/edges Proximity sensor monitoring Monitoring 1 PNP + 1 NPN sensor
Sikkerhetsnivå	Can reach PL e/category 4 for normally open relay contact conforming to ISO 13849-1 Can reach SILCL 3 for normally open relay contact conforming to IEC 62061 Can reach SIL 3 for normally open relay contact conforming to IEC 61508 Can reach PL c/category 1 for normally closed relay contact conforming to ISO 13849-1 Can reach SILCL 1 for normally closed relay contact conforming to IEC 62061 Can reach SIL 1 for normally closed relay contact conforming to IEC 61508
Sikkerhet pålitelighet data	MTTFd > 30 years conforming to ISO 13849-1 Dcavg >= 99 % conforming to ISO 13849-1 PFHd = 1.47E-09 for SS0 i samsvar med ISO 13849-1 PFHd = 1.48E-09 for SS1 i samsvar med ISO 13849-1 HFT = 1 conforming to IEC 62061 PFHd = 1.47E-09 for SS0 i samsvar med IEC 62061 PFHd = 1.48E-09 for SS1 i samsvar med IEC 62061 SFF > 99% conforming to IEC 62061 HFT = 1 conforming to IEC 61508-1 PFHd = 1.47E-09 for SS0 i samsvar med IEC 61508-1 PFHd = 1.48E-09 for SS1 i samsvar med IEC 61508-1 SFF > 99% conforming to IEC 61508-1 Type = B conforming to IEC 61508-1
Type elektrisk krets	NC pair PNP pair Antivalent pair OSSD pair
Tilkoblingsklemmer	Removable spring terminal block, 0.2...2.5 mm ² solid or flexible Removable spring terminal block, 0.25...2.5 mm ² flexible with ferrule single conductor Removable spring terminal block, 0.2...1.5 mm ² solid or flexible twin conductor Removable spring terminal block, 2 x 0.25...1 mm ² flexible with ferrule without cable end, with bezel Removable spring terminal block, 2 x 0.5...1.5 mm ² flexible with ferrule with cable end, with bezel
[Us] merkespenning	48...240 V AC/DC - 10...10 %

Komplementær

Synkroniseringstid mellom innganger	0.5 s 2 s 4 s
Type of start	Automatic/manual/monitored
Strømforbruk i W	4 W 48 V DC
Strømforbruk i VA	10 VA 240 V AC 50/60 Hz
Verntype på inngang	Internal, electronic
Safety outputs	1 NC 3 NO 3 NO
Safety inputs	2 1
Maximum wire resistance	500 Ohm
Tidsforsinkelsesområde	0...900 s
Input compatibility	Normally closed circuit conforming to ISO 14119 XC limit switch conforming to ISO 14119 Mechanical contact conforming to ISO 14119 Normally closed circuit conforming to ISO 13850 Antivalent pair i samsvar med ISO 14119 OSSD pair conforming to IEC 61496-1-2 3-wire proximity sensors PNP
[Ie] nominell driftsstrøm	5 A AC-1 for normally open relay contact 3 A AC-15 for normally open relay contact 5 A DC-1 for normally open relay contact 3 A DC-13 for normally open relay contact 3 A AC-1 for normally closed relay contact 1 A AC-15 for normally closed relay contact 3 A DC-1 for normally closed relay contact 1 A DC-13 for normally closed relay contact
Control outputs	4 pulsed output
Input/output type	Pulsed output for diagnostics Z1, 20 mA Semiconductor output Z2, 20 mA
[Ith] konvensjonell friluft termisk strøm	16 A
Sikringsstørrelse	10 A gG for NO relay output circuit conforming to IEC 60947-1
Minimum output current	20 mA for relay output
Minimum utgangsspenning	24 V for relay output
Maximum response time on input open	20 ms
[Ui] isolasjonsspenning	250 V (pollution degree 2) conforming to EN/IEC 60947-1
[Uimp] Nominell impuls-spenning	4 kV overvoltage category II conforming to EN/IEC 60947-1
Montering	35 mm symmetrical DIN rail
Dybde	120 mm
Høyde	100 mm
Bredde	45 mm
Vekt	0,350 kg

Miljø

Standarder	IEC 60947-5-1 IEC 61508-1 functional safety standard IEC 61508-2 functional safety standard IEC 61508-3 functional safety standard IEC 61508-4 functional safety standard IEC 61508-5 functional safety standard IEC 61508-6 functional safety standard IEC 61508-7 functional safety standard ISO 13849-1 functional safety standard IEC 62061 functional safety standard
Produktsertifikater	TÜV CULus
IP-grad	IP54 (mounting area) i samsvar med EN/IEC 60947-1 IP40 (kapsling) i samsvar med EN/IEC 60947-1 IP20 (terminaler) i samsvar med EN/IEC 60947-1
Omgivelsestemperatur for lagring	-25...85 °C
Relativ fuktighet	5...95 % non-condensing

Packing Units

Enhetstype forpakning 1	PCE
Antall enheter forpakning 1	1
Forpakning 1 vekt	456 g
Forpakning 1 høyde	6,8 cm
Forpakning 1 bredde	14 cm
Forpakning 1 lengde	15,8 cm

Offer Sustainability

Produktets miljøstatus	Green Premium miljømerket produkt
REACH-regelverk	REACH-erklæring
EU RoHS-direktiv	Proaktivt i samsvar (Produktet inngår ikke i EUs RoHS direktivet) EU RoHS-erklæring
Kvikksølvfri	Ja
Informasjon om RoHS-unntak	Ja
Kinas RoHS-forskrift	Kinas RoHS-Erklæring
Miljøinformasjon	Produktmiljøprofil
Produktets livssyklus	Informasjon Om Levetidsslutt
WEEE	Innen EU må produktet avhendes i henhold til bestemte regler for avfallshåndtering og aldri kastes som husholdningsavfall.
PVC-fri	Ja

Garantiperiode

Garanti	18 måneder
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