



Teknisk informasjon

Produktspekter	Preventa Safety automation
Produkt eller type komponent	Configurable safety controller
Sikkerhetsmodul navn	XPSMC
Sikkerhet bruk kategori	Kategori 4 maksimum i samsvar med EN 954-1/EN/ISO 13849-1 PLE maksimum i samsvar med ISO 13849-1 SIL 3 maksimum i samsvar med IEC 61508
Type of start	Programmerbar
Standarder	EN 954-1/EN/ISO 13849-1 IEC 61496-1 IEC 61508 IEC 60204-1 EN 1760-1/ISO 13856-1 EN 574/ISO 13851 IEC 60947-5-1
Produktsertifikater	CSA[RETURN]UL[RETURN]TÜV
[Us] merkespenning	24 V DC - 20...20 %
Antall innganger	32
Kommunikasjonsport protokoll	Modbus med 1 RJ45 port(er), serieforbindelse, overføringsrate: 1200 bps, 2400 bps, 4800 bps, 9600 bps or 19200 bps Profibus med En SUB-D 9-pin hun port(er), serieforbindelse, overføringsrate: 12 Mbps
Sikkerhetsnivå	Kan nå PL c/kategori 3 i samsvar med EN 954-1/EN/ISO 13849-1 Kan nå SIL 3 i samsvar med IEC 61508

Komplementær

Modulfunksjon	Dynamic monitoring of hydraulic valves on linear presses Eccentric press Emergency stop monitoring, with or without time delay, 1 or 2-channel wiring Enabling switch monitoring, 2 or 3 contacts Foot switch monitoring Guard monitoring for injection presses and blowing machines Guard monitoring with 1 or 2 limit switches Hydraulisk presse Magnetic switch monitoring kategori 4 i samsvar med EN/IEC 61496 Monitoring safety stop at top dead centre on eccentric press kategori 3 i samsvar med EN 574/ISO 13851 Muting function of light curtains Position selector Safety mat monitoring Safety time delays Shaft/Chain breaking monitor Zero speed detection Light curtain monitoring kategori 4 i samsvar med IEC 61496 Two-hand control kategori 3 i samsvar med EN 574/ISO 13851
Synkroniseringstid mellom innganger	Depending on configuration selected
Strømforbruk i W	12 W
Verntype på inngang	External fuse 16 A
[Uc] Styrespenning	28.8 V
Maks linjeresistans	100 Ohm <2000 m
Utgang type	2 reléer, 2 NO contacts (4 NO total) krets(er) Solid state, 6 krets(er), spenningsløs
Bryteevne	180 VA holder AC-15 C300 relay output 1800 VA inntrengings AC-15 C300 relay output

Bryteevne	2 A på 24 V for statisk utgangskretsen 1,5 A på 24 V (DC-13)50 ms for relay output
Utgang termisk strøm	4 A for begge utganger samtidig 6 A for 1 utgang og 2 A for de andre for relay output
[Ith] fri luft termisk strøm	16 A for relay output 6,5 A for statisk utgangskretsen
Sikringsstørrelse	16 A GL for Strømforsyning 4 A GL for relay output 6 A fast blow for relay output
Minimum utgangsstrøm	10 mA for relay output
Minimum utgangsspenning	17 V for relay output
Responstid	Konfigurerbar: 20ms eller 30ms med programvare XPSMCWIN
[Ui] isolasjonsspenning	300 V (forurensningsgrad 2) i samsvar med IEC 60647-5-1, DIN VDE 0110 part 1
[Uimp] Nominell impulsspenning	4 kV overspennings kategori III i samsvar med IEC 60647-5-1, DIN VDE 0110 part 1
Tilgangsmetode	Slave
Byttestørrelse	14 ord
Antall adresser	1...125 for Profibus 1...247 for Modbus
Likhet	Even for Modbus Nei for Modbus Odd for Modbus
Dataformat	1 start bit / 8 databiter 1 stopp bit jevn eller ujevn 2 stoppbiter uten paritet (Remote Terminal Unit) modus RTU
Støttet modbus funksjon	1: 8-bit output data/32-bit input data 2: 32-bit input data/8-bit output data 3: information and errors
Lokal varsling	48 LED
Montering	Montasjeplate
Dybde	153 mm
Høyde	151,5 mm
Bredde	74 mm
Vekt	0,84 kg

Miljø

IP-grad	IP20 conforming to IEC 60529
Omgivelsestemperatur drift	-10...55 °C
Omgivelsestemperatur for lagring	-25...85 °C

Forpakkingsinformasjon

Enhetstype pakke 1	PCE
Antall enheter i pakke 1	1
Pakke 1 Høyde	9,500 cm
Pakke 1 Bredde	18,000 cm
Pakke 1 Vekt	26,000 cm
Package 1 Weight	1,288 kg
Enhetstype pakke 2	S04
Antall enheter i pakke 2	6
Pakke 2 Høyde	30,000 cm
Pakke 2 Bredde	40,000 cm
Pakke 2 Lengde	60,000 cm
Pakke 2 Vekt	8,560 kg

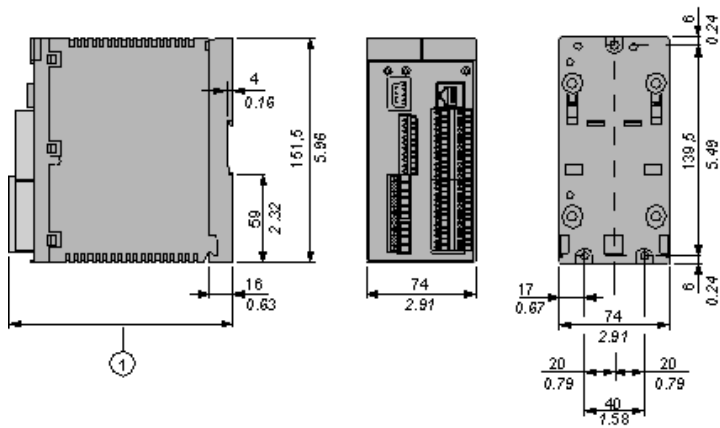
Bærekraftig

Produktets miljøstatus	Green Premium miljømerket produkt
REACH-regelverk	 REACH-erklæring
EU RoHS-direktiv	Proaktivt i samsvar (Produktet inngår ikke i EUs RoHS direktivet)
Kvikksølvfri	Ja
Kinas RoHS-forskrift	 Kinas RoHS-Erklæring
Informasjon om RoHS-unntak	 Ja
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

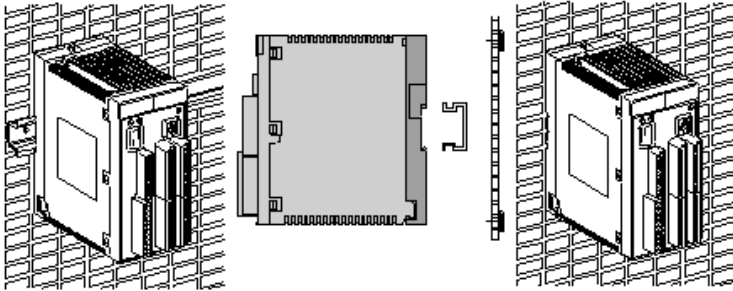
Garanti	18 months
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Dimensions



- 1 When using XPSMCTS• connectors this dimension is 153 mm (6.02 in)
When using XPSMCTC• connectors this dimension is 151,5 mm (5.96 in)

Installation



Metal adaptor for fixing on metal: DIN rail 35 mm/1.38 in.

Wiring Diagrams

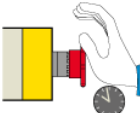
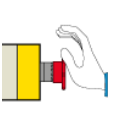
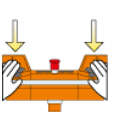
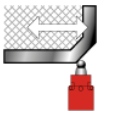
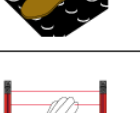
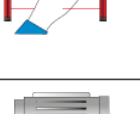
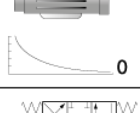
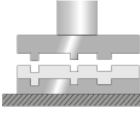
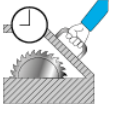
Refer to the Instruction Sheet

To download the instruction sheet, follow below procedure:

The screenshot shows the Schneider Electric website interface for the XPSAC5121 module. On the left, a sidebar titled 'Discover XPSAC5121 by' lists several categories: Characteristics, Dimensions Drawings, Connections and Schema, Technical Description, and Download & Documents. The 'Download & Documents' category is highlighted with a red box and a circled '1' below it. To the right, the main content area displays the product name 'XPSAC5121' and its description 'module XPSAC - Emergency stop - 24 V AC DC'. Below this, there is a link to 'Download XPSAC5121 product datasheet'. Further down, a section titled 'Download & Documents 1 to 3 of 3 (Total: -1)' contains three sub-sections: 'Instruction sheet', 'Image of product', and 'Certificate'. The 'Instruction sheet' section is highlighted with a red box and a circled '2' below it. It lists the document 'XPSAC... Safety module for emergency stop and switch monitoring' in English, dated 2012-07-04, with a PDF icon and a download button. The 'Image of product' section shows 'Emergency stop and switch monitoring' with a date of 2010-11-10 and a dropdown menu. The 'Certificate' section shows a 'Russian certificate' in English, dated 2010-07-07, with a PDF icon and a download button.

- 1 Click on Download & Documents.
- 2 Click on Instruction sheet.

Safety Functions

	- Emergency stop monitoring with time delay: 1 channel wiring, with automatic start. 2 channel wiring, with start button.
	- Emergency stop monitoring without time delay: 1 channel wiring, with automatic start. 2 channel wiring, with start button.
	Two-hand control.
	- Guard monitoring: - with 1 limit switch. - with 2 limit switches. - with 2 limit switches, with guard locking. - Guard monitoring for injection presses and blowing machines.
	Magnetic switch monitoring.
	Sensing mat monitoring.
	- Light curtains monitoring: - Relay output type. - Solid-state output type. "Muting" function for light curtains.
	Zero speed detection.
	Dynamic monitoring of hydraulic valves on linear presses.
	Safety time delays.
	- Monitoring safety stop at top dead centre on eccentric press. - Hydraulic press. - Eccentric press.



- Enabling switching monitoring:
 - 2 contact type.
 - 3 contact type.

Other functions:

- Foot switch monitoring
- Chain shaft breakage monitoring
- Position selector