SAFE AI - Function block

2400057

https://www.phoenixcontact.com/us/products/2400057

Function block library for safety-related analog value acquisition with standard I/O modules.

Please contact the safety hotline (+49 5281 9-462777) before ordering the SAFE AI article.

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Product description

Wherever analog values need to be processed in a safety-related manner, the Safe AI solution package from Phoenix Contact is the ideal solution. With this TÜV-certified and software-based analog value processing, no safety-related I/O modules are required. This saves you money and offers flexibility.

Components of the Safe AI solution package:
- Initial application advice via telephone on the required software and hardware components
- License key for using the ANALOGINPUT_SF function block library
- Provision of comprehensive user documentation
- Advice from the Competence Center Safety in the form of a web meeting

Your advantages

• Reading in standardized values 4 ... 20 mA permitted in principle via standard sensors

• Safety-related processing of analog input signals without safety-related I/O modules

• A maximum of seven two-channel analog input channels per station can be processed in a safety-related manner

• Can be used up to PL e, SIL 3

Commercial data

Item number	2400057
Packing unit	1 pc
Minimum order quantity	1 pc
Note	Made to order (non-returnable)
Product key	DRDBBF
Catalog page	Page 281 (C-6-2019)
GTIN	4046356919395
Weight per piece (including packing)	250 g
Weight per piece (excluding packing)	250 g
Country of origin	DE

Technical data

Product properties

Product type	Software library

System properties

Function

Safety function	yes
Function block type	Analog signal

System requirements

Engineering tool	PC Worx

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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/2400057

	Functional Safety
⚠FS	Approval ID: 968/EL 916.05/24

Classifications

ECLASS

ECLASS-11.0	27242505
ECLASS-12.0	27242505
ECLASS-13.0	27242505

ETIM

ETIM 9.0	EC002582

UNSPSC

UNSPSC 21.0	93151500

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Not applicable, No electrical and electronic equipment (EEE), cannot be used in EEE

EU REACH SVHC

REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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Accessories

RFC 470S PN 3TX - Safety controller

2916794

https://www.phoenixcontact.com/us/products/2916794

Remote field controller with 3 x 10/100 Ethernet, INTERBUS master, PROFINET controller with integrated PROFIsafe safety controller, PROFINET device, IP20 protection, plug-in parameterization memory

AXL F BK PN - Bus coupler

2701815

https://www.phoenixcontact.com/us/products/2701815

Axioline F, Bus coupler, PROFINET, RJ45 jack, transmission speed in the local bus: 100 Mbps, degree of protection: IP20, including bus base module and Axioline F connector

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AXL F AI8 W 1F - Analog module

2702525

https://www.phoenixcontact.com/us/products/2702525

Axioline F, Analog input module, Analog inputs: 8, 0 V ... 5 V, -5 V ... 5 V, 0 V ... 10 V, -10 V … 10 V, 0 mA … 20 mA, 4 mA … 20 mA, -20 mA … 20 mA, connection technology: 2-conductor, transmission speed in the local bus: 100 Mbps, for SAFE AI applications with service-free continuous operation, degree of protection: IP20, including bus base module and Axioline F connectors

AXL F AO8 1F - Analog module

2688080

https://www.phoenixcontact.com/us/products/2688080

Axioline F, Analog output module, Analog outputs: 8, 0 V ... 5 V, -5 V ... 5 V, 0 V ... 10 V, -10 V … 10 V, 0 mA … 20 mA, 4 mA … 20 mA, -20 mA … 20 mA, connection technology: 2-conductor, transmission speed in the local bus: 100 Mbps, degree of protection: IP20, including bus base module and Axioline F connectors