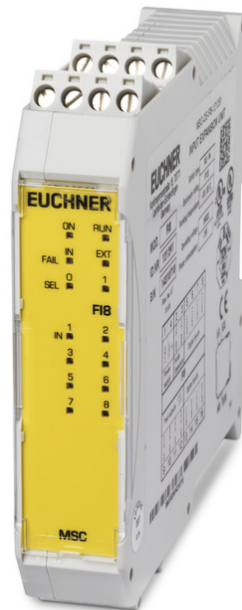


**ITEM 121291 MSC-CE-FI8-121291**

Description	Technical data	Accessories	Downloads
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**Features**

- › Input expansion
- › 8 single-channel /4 dual-channel inputs
- › Compact housing with width of only 22.5mm
- › Straightforward diagnostics via LED displays
- › Plug-in screw terminals

**Approvals**



**Mechanical values and environment**

Dimensions	108 x 22.5 x 114.5 [1]
Material	
	Housing Polyamide
Ambient temperature	-10 ... +55 °C

Atmospheric humidity	10 ... 95 % rH
Degree of protection	IP20
Mounting method	Mounting rail 35mm [2]
Connection	Plug-in screw terminal [3]
Cable length	max.100 m [4]
	<b>Pulse output 1...4</b>
Number of outputs	4
	<b>For node selection</b>
Number of inputs	2
	<b>Safety input 1...8</b>
Number of inputs	8

### Electrical connection ratings

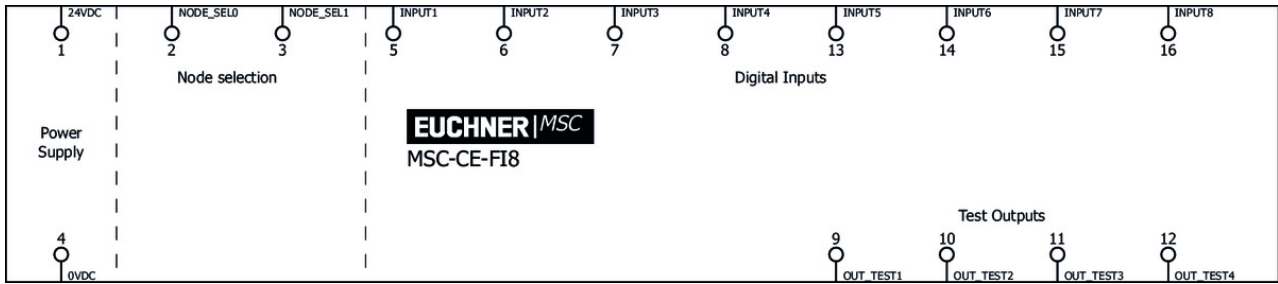
Operating voltage DC	UB 24 V DC -20% ... +20% PELV [5]
Overvoltage category according to IEC EN 60664-1	II
Degree of contamination according to EN 60664-1	2
Connection cross-section	0,5 ... 2,5 mm <sup>2</sup>
Delay time	0,0106 ... 0,0546 s [6]
Power consumption	max.3 W
	<b>Pulse output 1...4</b>
Test pulses	0,2 ms
Type of output	Semiconductor outputs, p-switching [7]
	<b>For node selection</b>
Type of input	Semiconductor inputs, p-switching [8]
	<b>Safety input 1...8</b>
Type of input	Semiconductor inputs, p-switching [9]

### Reliability values acc. to EN ISO 13849-1

ESPE type	4 [10]
Performance Level	PL e [11]
Category	4 [12]
PFH <sub>D</sub>	4.45E-09 1/h [13]
SIL CL	3 [14]
Mission time	20 y [15]



## Block diagram



## Connection material

- Terminal set 4 contacts, screw terminals



**121320** AC-SC-04-V04-121320

- Features

- Plug-in screw terminals

- Expansion connector, MSC



**121308** AC-PL-B-121308

## Instructions







- MODULARE SICHERHEITSSTEUERUNG MSC Installation und Verwendung

	Doc. no.	Version	Language	Download
MODULARE SICHERHEITSSTEUERUNG MSC Installation und Verwendung	121331	03-05/16		5.9 MB
AUTOMATE INTÉGRÉ DE SÉCURITÉ MODULAIRE MSC Installation et utilisation	121331	03-05/16		6.2 MB
MODULAR SAFETY INTEGRATED CONTROLLER MSC Instalación y uso	121331	03-05/16		6.2 MB
MODULAR SAFETY INTEGRATED CONTROLLER MSC Installation and use	121331	03-05/16		6.2 MB
SISTEMA DI CONTROLLO MODULARE DI SICUREZZA MSC Installazione e uso	121331	03-05/16		6.1 MB


- MSC FI8/FI16 EINGANG-ERWEITERUNGSMODULE

	Doc. no.	Version	Language	Download
MSC FI8/FI16 EINGANG-ERWEITERUNGSMODULE MSC FI8/FI16 INPUT EXPANSION MODULES	121337	01-07/14	 	1.6 MB

- TECHNISCHES DATENBLATT Erweiterungsmodule

	Doc. no.	Version	Language	Download
TECHNISCHES DATENBLATT Erweiterungsmodule	121345	02-02/16		 1.1 MB
DOCUMENTO TÉCNICO módulos de expansión				
FICHE TECHNIQUE modules d'extension				
FOGLIO TECNICO moduli di espansione				
TECHNICAL SHEET expansion units				

## Catalogs

-  Einfach programmierbar - Die sichere Kleinststeuerung MSC Easily programmable - The small safe control system MSC Simplement programmable - L'automate de sécurité MSC Fácil de programar - El controlador seguro de tamaño reducido MSC 易于编程 - MSC小型安全控制系统

	Doc. no.	Version	Language	Download
Einfach programmierbar - Die sichere Kleinststeuerung MSC	121780	05-05/16		 2.2 MB
Simplement programmable - L'automate de sécurité MSC	122111	05-05/16		 2.2 MB
Fácil de programar - El controlador seguro de tamaño reducido MSC	122112	05-05/16		 2.2 MB
Easily programmable - The small safe control system MSC	121888	05-05/16		 2.2 MB
易于编程 - MSC小型安全控制系统	157058	05-05/16		 2.7 MB