

Safety module CAMC-G-S1

Part number: 1501330

FESTO



Data sheet

Feature	Value
Nominal voltage, logic supply DC	24 V
Nominal operating voltage DC	24 V
Nominal current, logic supply	0.02 A
Permissible range of logic voltage	± 20 %
Max. current consumption for logic supply without clamping brake	0.03 A
Short-circuit protection	no
Current rating at 40°C	0.2 A
Fuse protection (short circuit)	no
Digital output design	Floating signal contact
Number of digital logic inputs	2
Digital outputs, switching logic	Contact closes at STO
Dimensions W x L x H	112.6 mm x 87.2 mm x 28.3 mm
LED display (product-specific)	Normal mode (green)/STO (yellow)
Safety function	Safe torque off (STO)
PFH	1.27E-10
PFD	2.3E-5
Proof test interval	20 y
Hardware fault tolerance	1
SFF safe failure fraction	99.2 %
Certified for safety function to ISO 13849 and IEC 61508 (SIL)	Product can be used in safety-related parts of control systems up to SIL 3, high demand
Safety integrity level (SIL)	Safe torque off (STO)/SIL 3/SILCL 3
Performance Level (PL)	Safe torque off (STO)/category 4, performance level e
Diagnostic coverage	97 %
Certified for safety functions to ISO 13849 (PL)	Product can be used in safety-related parts of control systems up to category 4, PL e
Certificate issuing authority	German Technical Control Board (TÜV) Rheinland 01/205/5165.02/19
Certification	German Technical Control Board (TÜV)
CE marking (see declaration of conformity)	As per EU EMC directive as per EU machinery directive As per EU RoHS directive
Storage temperature	-25 °C ... 55 °C
Relative air humidity	Non-condensing 5 - 95 %
Degree of protection	In mounted state IP20
Ambient temperature	0 °C ... 40 °C

Feature	Value
Product weight	75 g
Type of mounting	Plug-in module for CMMP-AS...-M3
Note on materials	Contains paint-wetting impairment substances RoHS-compliant
Mounting position	Any
Type code	CAMC
Wire ends	Cable end sleeve
Connection cross section	0.25 mm ² ... 0.5 mm ²
Electrical connection	Screw terminal Plug, straight
Display	LED green/yellow
Control elements	None
Logic input specification	Based on IEC 61131-2
Characteristics of logic input	Galvanically isolated
Work range of logic input	19.2 V ... 28.8 V
Max. nominal input current	0.03 A
Debounce time at inputs	0.3 ms
Current rating per output	200 mA
Max. current of digital logic outputs	200 mA
Fuse protection for outputs	no