

# Safety module CAMC-G-S1

Part number: 1501330

FESTO



 General operating condition

## Data sheet

Feature	Value
Nominal voltage for logic power supply DC	24 V
Nominal operating voltage DC	24 V
Nominal current logic power supply	0.02 A
Permissible range for logic voltage	± 20 %
Current consumption of logic power supply without clamping brake	0.03 A
Short circuit current rating	no
Current rating at 40° C	0.2 A
Fuse protection (short circuit)	no
Digital output design	Potential-free signal contact
Number of digital logic inputs	2
Digital outputs, switching logic	Contact closes at STO
Dimensions (W x L x H)	112.6 x 87.2 x 28.3 mm
LED display, product-specific	Normal operation (green)/STO (yellow)
Safety function	Safe torque off (STO)
Probability of Failure per Hour (PFH)	1.27E-10
Probability of Failure on Demand (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 SRP/CS 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 SRP/CS up to category 4, PL e
Approval	German Technical Control Board (TÜV)
CE mark (see declaration of conformity)	To EU EMC Directive To EC Machinery Directive In accordance with EU RoHS Directive
CE marking (see declaration of conformity)	To UK instructions for EMC To UK regulations for machines To UK RoHS instructions
Certificate issuing authority	German Technical Control Board (TÜV) Rheinland 01/205/5165.02/19 TÜV Rheinland UK Ltd. 01/205U/5165.00/22
LABS (PWIS) conformity	VDMA24364 zone III
Storage temperature	-25 °C ... 55 °C
Relative air humidity	5 - 95% Non-condensing

<b>Feature</b>	<b>Value</b>
Degree of protection	IP20 In assembled state
Ambient temperature	0 °C ... 40 °C
Product weight	75 g
Type of mounting	Plug-in module for CMMP-AS...-M3
Note on materials	RoHS-compliant
Mounting position	optional
Wire ends	Wire ferrule
Connection cross section	0.25 mm <sup>2</sup> ... 0.5 mm <sup>2</sup>
Electrical connection	Screw terminal Straight plug
Display	Green/yellow LED
Operator controls	None
Specification logic input	Based on IEC 61131-2
Features of logic input	Galvanically isolated
Working range of logic input	19.2 V ... 28.8 V
Max. nominal input current	0.03 A
Debounce time for inputs	0.3 ms
Current rating per output	200 mA
Max. current digital logic outputs	200 mA
Fuse capacity of outputs	no