

Safety module CAMC-G-S1

Part number: 1501330

FESTO



 General operating condition

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
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
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK instructions for machines To UK RoHS instructions
Certificate issuing authority	TÜV Rheinland 01/205/5165.03/24
LABS (PWIS) conformity	VDMA24364 zone III
Storage temperature	-25 °C ... 55 °C
Relative air humidity	5 - 95 % Non-condensing

Feature	Value
Degree of protection	IP20 In mounted 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	Any
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