

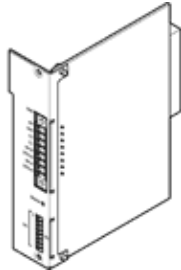
safety module

CAMC-G-S1

Part number: 1501330

FESTO

One plug-in module CAMC-DS-M1, CAMC-G-S1 or CAMC-G-S3 is required in order to operate the motor controller CMMP-AS-...-M3.



Data sheet

Feature	Value
Nominal DC voltage, logic power supply	24 V
Nominal operating voltage DC	24 V
Nominal current, logic supply	0.02 A
Permissible range, logic voltage	± 20 %
Current consumption, logic power supply without clamping brake	0.03 A
Short circuit strength	No
Acceptable current load at 40°C	0.2 A
Protection (short circuit)	No
Design of the digital output	Potential-free signal contact
Number of digital logic inputs	2
Digital outputs, switching logic	Contact closes with safe torque off (STO)
Dimensions W x L x H	112,6 mm x 87,2 mm x 28,3 mm
Product-specific LED display	Normal operation (green)/STO (yellow)
Safety function	Safe torque off (STO)
Probability of Failure per Hour in [1/h].	1.27E-10
PFD (Probability of Failure on Demand)	2.3E-05
Proof test interval	20 a
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
Authorisation	TÜV
CE mark (see declaration of conformity)	to EU directive for EMC to EU directive for machinery in accordance with EU RoHS directive
Certificate issuing department	01/205/5165.02/19 TÜV Rheinland
Storage temperature	-25 ... 55 °C
Relative air humidity	5 - 95 % non-condensing
Protection class	IP20 in assembled condition
Ambient temperature	0 ... 40 °C
Product weight	75 g
Mounting type	Plug-in module for CMMP-AS...-M3
Materials note	Contains PWIS substances Conforms to RoHS
Assembly position	Any
Wire ends	Wire end ferrule
Terminal cross-section	0.25 ... 0.5 mm ²

Feature	Value
Electrical connection	Screwed terminal Plug straight
Display	LED green/yellow
Control elements	None
Specification, logic input	Based on IEC 61131-2
Logic input characteristics	Electrically isolated
Logic input working range	19.2 ... 28.8 V
Max. nominal input current	0.03 A
Debouncing time, inputs	0.3 ms
Current-carrying capacity per output	200 mA
Max. current, digital logic outputs	200 mA
Fuse protection, output	No