

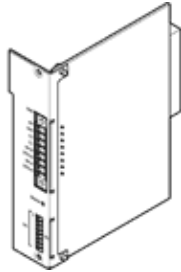
safety module

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
UKCA marking (see declaration of conformity)	To UK instructions for EMC To UK instructions for machines To UK RoHS instructions
Certificate issuing department	TÜV Rhld 01/205/5165.02/19 TÜV Rh. UK 01/205U/5165.00/22
PWIS conformity	VDMA24364 zone III
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	Conforms to RoHS

Feature	Value
Assembly position	Any
Wire ends	Wire end ferrule
Terminal cross-section	0.25 ... 0.5 mm ²
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