

Safety Module CAMC-G-S3 - Festo 1501331

Item no. FES-1501331

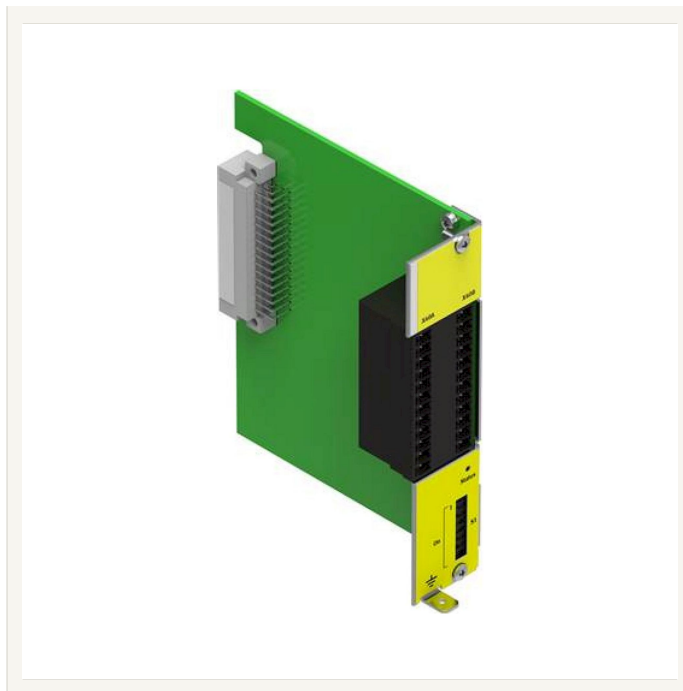
Manufacturer Festo

EAN 4052568237950

Festo pneumatic component for industrial automation and compressed-air applications in proven quality.

TECHNICAL DATA

Betriebsspannung	24 V DC
HS-Code	85389099
Mounting position	arbitrary
Schutzart	IP20
Serie	CAMC
Temperature (max.)	40
Weight	0.24 kg



STANDARDS & COMPLIANCE

ISO 13849 IEC 61508

DESCRIPTION

Festo pneumatic component for industrial automation and compressed-air applications in proven quality. The key technical data of this genuine Festo article are listed below.

Material information	LABS containing materials included RoHs compliant
Nominal voltage logic supply DC [V]	24
Nominal operating voltage DC [V]	24
Nominal current logic supply [A]	0,15
Permitted range logic voltage	± 20 %
Power input logic supply without parking brake [A]	0,20
Short circuit resistance	Yes, exception: Contact C1/C2
Current carrying capacity at 40°C [A]	0,2
Fuse (short circuit)	no
Design digital output	Potential free signal contact 3 secure, 2-channel semi/conductor outputs

Quantity digital logic inputs	10
Digital outputs, switching logic	Halbleiterausgänge: parametrierbar PNP (plusschaltend) 2-kanalig äquivalent / antivalent
Dimensions W x L x H	112.2 mm x 99.1 mm x 28.7 mm
LED display product specific	Error (red) Normal mode (Green) Safe conditions (yellow)
Safety function	Safe switched off torque (STO) Safe limited speed (SLS) Safe braking controls (SBC) Safe operating stop (SOS) Safe stop 1 (SS1) Safe stop 2 (SS2) Safe speed range (SSR) Safe speed monitoring (SSM)
Probability of Failure per Hour in [1/h].	9.5e-009
Proof test interval [A]	20
Hardware error tolerance	1
SFF Safe Failure Fraction [%]	99,5
Certified for safety function to ISO 13849 and IEC 61508 (SIL)	Product can be inserted into SRP/CS to SIL 3 High Demand
Safety Integrity Level (SIL)	Safe switched off torque (STO) / SIL 3 Safe braking controls (SBC) / SIL 3 Safe limited speed (SLS) / SIL 3 Safe operating stop (SOS) / SIL 3 Safe stop 1 (SS1) / SIL 3 Safe stop 2 (SS2) / SIL 3 Safe speed monitoring (SSM) / SIL 3 Safe speed range (SSR) / SIL 3
Performance Level (PL)	Sicher abgeschaltetes Moment (STO) / Kategorie 4, Performance Level e Sichere Bremsenansteuerung (SBC) / Kategorie 4, Performance Level e Sicher begrenzte Geschwindigkeit (SLS) / Kategorie 3, Performance Level e Sicherer Betriebshalt (SOS) / Kategorie 3, Performance Level e Sicherer Stopp 1 (SS1) / Kategorie 3, Performance Level e Sicherer Stopp 2 (SS2) / Kategorie 3, Performance Level e Sichere Geschwindigkeitsüberwachung (SSM) / Kategorie 3, Performance Level e Sicherer Geschwindigkeitsbereich (SSR) / Kategorie 3, Performance Level e
Diagnose degree of coverage [%]	97,5
Certified for safety function to ISO 13849 (PL)	Product can be inserted into SRP/CS to category 4, PL e
Permission	TÜV
CE certificate (see declaration of conformity)	to EU EMC directive to EU machinery directive
Certified awarding point	01/205/5165.02/19 TÜV Rheinland
Bearing temperature [°C]	-25 to 55
Relative humidity	5 - 90 % Not condensing
Protection category	IP20 In mounted condition
ambient temperature [°C]	0 to 40
Product weight [g]	220
Fastening type	Plug-in module for CMMP-AS... -M3

installation position	arbitrary
Wire ends	Wire end sleeve
Connection cross-section [mm²]	0.25 to 0.5
Electrical connection	Screw clamp Plug straight
Display	LED green / yellow / red
Operating element	Dip switch
Logic input specification	IEC 61131-2, Typ 3
Properties logic inputs	4 sichere, 2-kanalige Eingängeäquivalent / antivalent schaltendTestimpulse konfigurierbarFunktion konfigurierbar 6 sichere, 1-kanalige EingängeTestimpulse konfigurierbar
Work area logic input [V]	13 to 28.8
Max. nominal input current [A]	0,015
Debounce time inputs [ms]	0,3
Current carrying capacity per output [mA]	50
Max. current digital logic outputs [mA]	50
Output fuses	Short and cross-connection monitoring
Minimum cycle time [ms]	2
Parameterising	Via SafetyTool