

Diese Zeichnung ist Eigentum der
Fa. Grasl GmbH A-3454 Reidling, Europastraße 1
Die Weiterverwendung oder Vervielfältigung
ohne unser schriftliches Einverständnis ist verboten!

formell geprüft am
29.5.2002 KW

Technical description:

- Aluminium housing and aluminium thrust pipe anodised
- Internal interference suppression according to EN55011
- Switching off in both end position through overload cutout
- Electronic overload emergency cutout
- Electric shunt connection possible (CAUTION: But not synchronised operation)
- Light grey silicone connection line 2x0,75mm², jacket 6mm diameter, standard length 2,5m, special length on request
- Bore diameter of eye bolt on pushrod 6,1mm
- Bore diameter in housing base 6,1mm

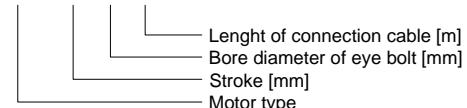
Technical data Elektro-linear-drive S08B:

Designation	S08B	Unit
Rated voltage	24	VDC
Available strokes	200/300/350 400/500/550 600/750/1000	mm
No-load current	0.2	A
Rated current (full load)	0.8	A
Thrust and tensile force	650	N
Speed (full load)	6.1	mm
Speed (no load)	7.8	mm/s
Permissible ambient temperature	-20 - +60	°C
Max. permissible temperature to EN12101-2 attachment G	300° - 30min	°C
Protection class (DIN EN 60 529)	IP42 1)	
Operating mode according to DIN VDE 0530 Part 1 (at 20°C ambient temperature)	S2 2.5min	
Stability	3500	N

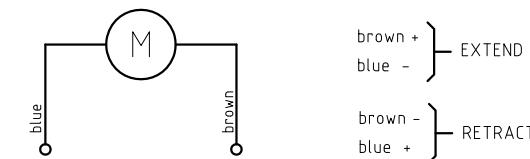
1) CAUTION: Not suitable for use in moist rooms or outdoor!

Order designation:

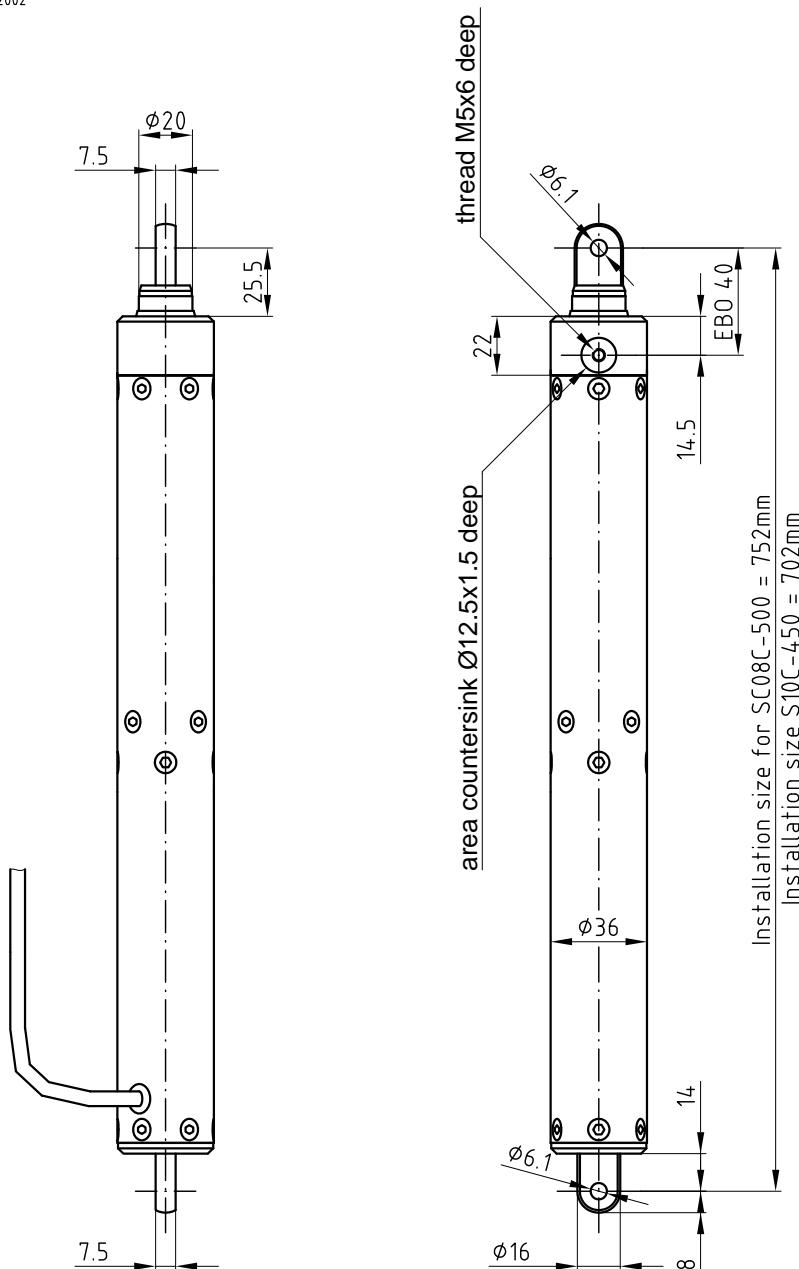
S08B - 350 - 6 - 2.5



Circuit diagram:



GRASL Pneumatic-Mechanik GmbH A-3454 Reidling Europastraße 1				Freimaißtoleranz nach DIN 7168:		Maßstab: 1:1	Werkstoff: ID - Nr.:
				Bear.	Datum	Name	
Bezeichnung: Data sheet Elektro - linear - actuator S08B							
03	Max. zul. Temperatur	19.06.2013	SA	Type:			Zeichnung Nr.:
02	Version Polnisch	04.12.2012	SA	S08B			07.044.DAT.00.03-E
01	Version Französisch	12.12.2011	SA				Blatt
Zus.	Änderung	Datum	Name	(Urspr.)	(Ers.f.)	07.044.DAT.00.02	(Ers.d.)
						fachlich geprüft am 29.5.2002 KW	



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Description of function:

By applying the rated voltage for "EXTEND" on the connection cable (see circuit diagram), the actuator extend and disconnect at the end position through the internal overload disconnection. By applying the rated voltage for "RETRACT" on the connection cable (see circuit diagram), the actuator retract and disconnect at the end position through the internal overload disconnection. The internal overload disconnection is also used to disconnect the actuator at overload to avoid damages. This means if the current demand pass the max. disconnecting current (see technical data), the overload disconnection operate and lock the actuator to prevent a new starting. By removing the rated voltage from the connection cable, the locking resets and the actuator is ready for further operation.

Technical description:

- Maintenance-free
- Anodised aluminium housing and aluminium-pushrod
- Internal interference suppression to EN55011
- Disconnection in both end positions through overload disconnection
- Electronic overload emergency disconnection
- Electric shunt connection possible (Caution: but no synchronous operation)
- Light grey silicone connection line 2x0,75qmm, sheath 6mm diameter, standardlength 2.5m, special length on request
- Bore diameter of pushrod and housing bottom 6.1
- Rated release temperature of combined fire detection element 93°C
- VdS approval no.: G503005

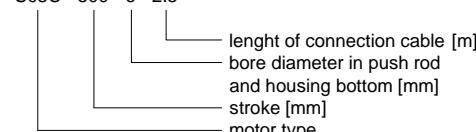
Technical data Elektro-linear-drive S08C and S10C:

Designation	S08C	S10C	Unit
Rated voltage	24		VDC
Tolerance for rated voltage	-20/+30		%
No load current	0.2		A
Rated current (full load)	0.8	1.0	A
Maximum breaking current at overload	15		A
Maximum current and maximum time at blocking as far as disconnection through the overload disconnection	3.0A - 80ms		
Max. compressive force (max. compressive load in extended position)	900		N
Number of blockings / time interval (controlrate for blocking)	15 times / 2 min		
Ventilation- and nominal load	500 ¹⁾	600 ¹⁾	N
Max. stroke at nominal load in 60sec	500	450	mm
Permissible ambient temperature at RWA Vds 2580	-5 to +110		°C
Protection class (DIN EN 60 529)	IP42		
Operating mode for ventilation- and nominal load according to DIN VDE 0530 part 1 (at 25°C ambient temperature)	S3 30%		
Stability (locking force)	3500		N

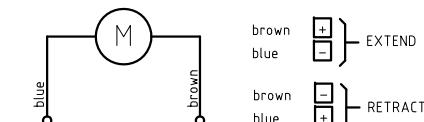
- 1) loading cases: - extend against load and load supporting retract
- retract against load and load supporting extend

Type- and order designation:

S08C - 500 - 6 - 2.5



Circuit diagram:



GRASL Pneumatic-Mechanik GmbH A-3454 Reidling Europastraße 1		Freimäßtoleranz nach DIN 7168:		Maßstab: 1:1	Werkstoff:	ID - Nr.:	
				Bear.	23.03.2010	Simetzberger	Bezeichnung:
				Gepr.	06.05.2015	GH	Data sheet
				Norm			Electro - linear - actuator
							Type S08C-500 and S10C-450
02	Version Französisch	30.04.2015	SA	Type:			Zeichnung Nr.:
01	Version Polnisch	04.12.2012	SA	Baureihe S		07.044.DAT.01.02-E	Blatt
Zus.	Änderung	Datum	Name (Urspr.)			(Ers.f.) 07.044.DAT.01.01	(Ers.d.)
						fachlich geprüft am	
						29.5.2002 KW	