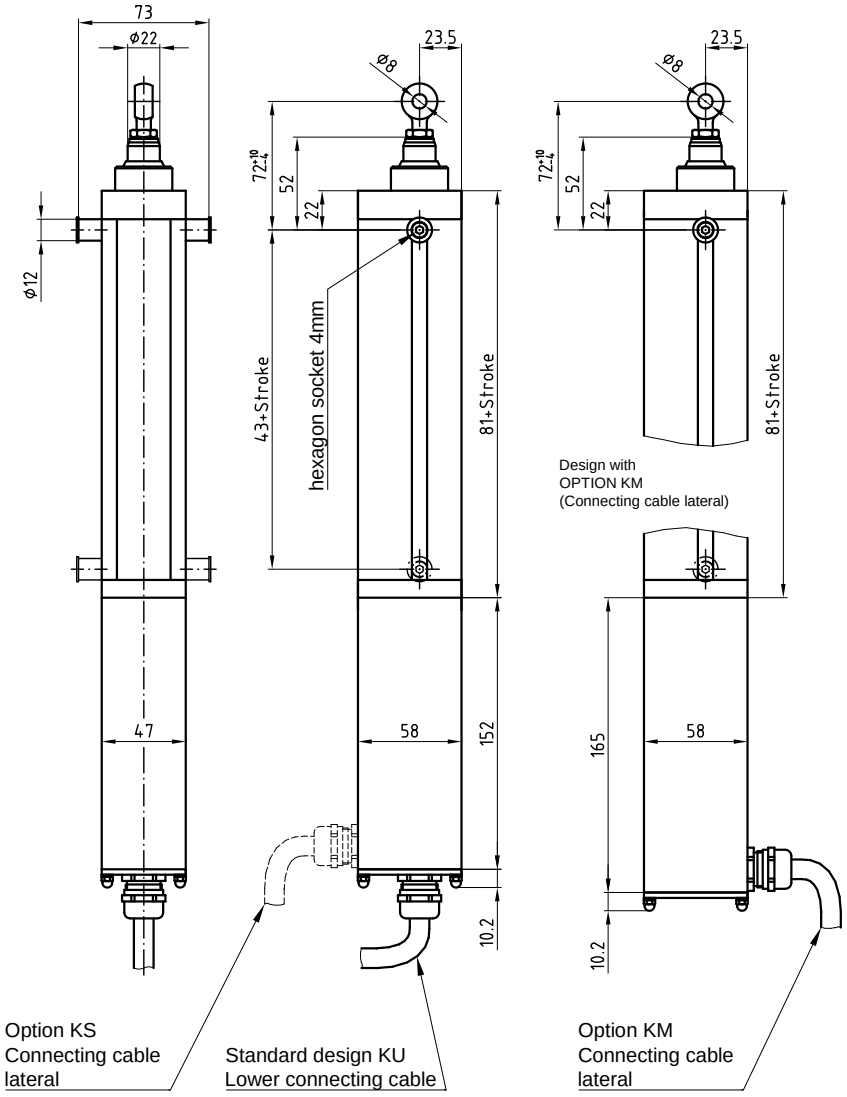
Dateiname: Qf0510B



Technical description:

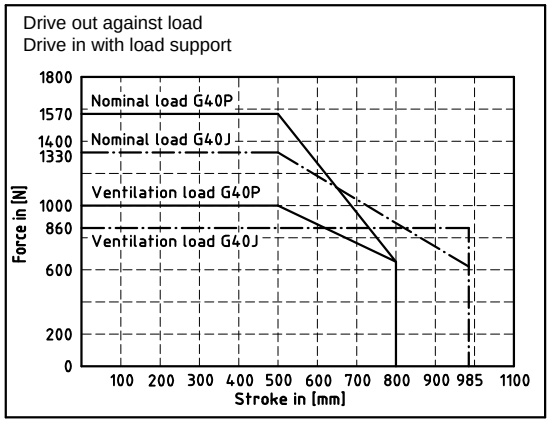
- Maintenance-free
- Anodised aluminium housing, pushrod made of aluminium Ø22 (G40P/G40J) or steel Ø22 (GS40P/GS40J)
- Radio interference suppression according to EN55011
- Cut-out in both limit positions by internal end switch
- Electronic emergency overload cut-out
- Electrical parallel connection is possible (NOTE: synchronising circuit is not possible)
- Light grey silicone connecting cable 2x2.5qmm + 3x1.5qmm, sheating Ø ca. 11mm, for standard length 2,5m, other length available upon request
- Eye bolt Ø6, Ø8 (standard) or Ø10mm
- Standard strokes 350, 550 and 750mm; special lengths available upon request
- OPTION E: potential-free end switches (opener) for both limit positions, current carrying capacity 1A/24VDC (e.g. for position indicator)
- Nominal triggering temperature of fire detection element that can be interfaced 93°C

Technical data Elektro-Linear-Drive G40P:

Designation	G40P	G40J	unit
Rated Current	24	24	VDC
Tolerance for rated voltage	-20/+30	-20/+30	%
No-load current	0.8	0.8	A
Nominal Load from 0 - 500mm stroke	1570	1330	N
Current at nominal load from 0 - 500mm stroke	4.0	4.0	A
Maximum overload cut-off current	4.8	4.8	A
Maximum current and maximum time of deadlock until system switches off by overload cut-out	14A for 80ms	14A for 80ms	
Maximum pressure force during deadlock	13000	13000	N
Number of deadlocks / time interval (trigger rate for deadlock)	15 times / 2 min	15 times / 2 min	
Ventilation- and nominal load course over the entire stroke	Load diagramm	Load diagramm	N
Max. stroke at no-load in 60s	800	985	mm
Permissible ambient temperature for RWA VdS 2580	-5 to +110 ×)	-5 to +110 ×)	°C
System of protection according to DIN EN 60 529	IP54	IP54	
Class of rating for peak load according to DIN VDE 0530 Part 1 (at 25°C ambient temperature)	S3 30%	S3 30%	
Stability (locking force)	3500	3500	N
Environmental class according to VdS 2580	I	I	

×) stress period at 110°C max 2h

Load diagramm:

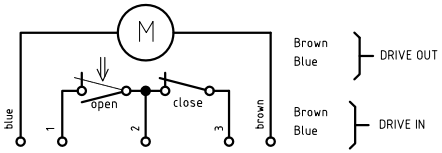


Type and ordering designation:

G40P-750-8-2,5-...-...

- Option potential-free end switches
  not specified ... without option E (standard)
  E ... with option E
- Option cable outlet
  no specified ... lower cable outlet
  KS ... cable outlet lateral
  KM ... cable outlet lateral (opposite side)
- Connecting cable length in m (standard 2,5
- Hole diameter of eye bolt in mm
- Stroke in mm
- Motor type (G40P/GS40P/G40J/GS40J)

Circuit diagramm:
(drawing shows driven in position "CLOSED")



Description of function:

When connecting the rated voltage for "DRIVE OUT" at connecting cable (see wiring diagram) the drive will drive out and disconnect in limit position by end switch. If drive is equipped with Option E, the respective potential-free contact will open (see wiring diagram).

When connecting the rated voltage for "DRIVE IN" at connecting cable (see wiring diagram) the drive will drive in and disconnect in limit position by end switch. If drive is equipped with Option E, the respective potential-free contact will open (see wiring diagram).

The drive is also provided with an overload cut-out that will disconnect the drive in the event event of overload to safeguard against any damage. This means that the overload cut-out will respond if charging rate exceeds maximum cut-off current (see technical data), and will lock to safeguard against restart. Once the drive is idle, lock is reset and drive is once again ready for operation.

GRASL Pneumatic-Mechanik GmbH A-3454 Reidling Europastraße 1				Freimaßtoleranz nach DIN 7168:		
					Datum	Name
				Bear.	30.11.2009	Simetzberger
				Gepr.	07.08.2013	KW
				Norm		
04	G40J, diverse Änd.	24.06.2013	SA			
03	Version Französisch	26.07.2012	SA	Type:		
02	Text	10.06.2010	SA	Baureihe G		
01	Text	04.05.2010	SA			
Zus.	Änderung	Datum	Name	(Urspr.)		

Maßstab: 1:1 | Werkstoff:
ID - Nr.:
Bezeichnung:
Data sheet
Electro-linear-actuator
Type: G40P / GS40P / G40J / GS40J
Zeichnung Nr.: 07.009.DAT.08.04-E | Blatt BL.
(Ers.f.:) 07.009.DAT.08.03 | (Ers.d.:)

erstellt am
28.5.2002 ER

formell geprüft am
29.5.2002 KW

fachlich geprüft am
29.5.2002 KW