

Data sheet

Assembly Press

Assembly Press Line5 Inline 10-350-300

Main functions	
Nominal force (push/pull)	10 / 10 kN
Measurement ranges	3/3,5/4/4,5/5/6/7/8/9/10 kN
Nominal speed	300 mm/s
Nominal acceleration	1000 mm/s ²
Dwell time of nominal load	min. 4 s
Weight mechanics (NGX/HGX/SGX)	40,3 / 41 / 45,2 kg
Max. tool weight*	10 kg
Force	
Measuring principle	DMS
System accuracy**	<1% with 2-point-calibration / <0,3% with characteristic map
Range accuracy	<1% of measurement range
Amplifier PDM-S / (WxHxD)	Aluminum die-cast / 125 x 80 x 57 mm
Output signal	digital
Protection class	IP40
Power supply	19...36 VDC (3 W)
Distance measuring	
Feedback device	Multiturn
Repeatability of positioning***	< 0,01 mm
Servo amplifier	
Type	M702-034-00078-A
Dimensions (WxHxD)	83 x 382 x 200 mm
Mains voltage	3 AC 380 V ... 480 V, +/-10 %
Cable cross section (input)	IEC 2,5 mm ² / UL 14 AWG
Cable cross section (output)	IEC 2,5 mm ² / UL 14 AWG
Protection class (DIN 60529)	IP20
Weight	4,5 kg

Servo amplifier	
Recommended protection	IEC 20 A gG UL/USA 20 A CC or J
Temperature range	-20 °C...+50 °C
Power loss	186 W
Line filter	
Weight	2 kg
Cable cross section (input)	4 mm ² / 12 AWG
Power loss	13 W
Dimensions (WxHxD)	83 x 426 x 41 mm
Protection class (DIN 60529)	IP20
Interfaces	
PC	Ethernet
PLC (24 VDC)	3I / 4O
PLC Fieldbus	Profibus, Profinet, EtherCat, EtherNet/IP, Modbus/TCP
Extension Options PROMESS Bus	PDM-A: 4x analogue / PDM-P: Piezo / PDM-I/O: 16I / 16O

* if using a holding brake: max. permitted tool weight = 10% nominal load. For a heavier tool weight please consult PROMESS.

** Force measuring system, static calibration in relation to the reference system / *** at thermal steady-state

All nominal values refer to 400 V mains voltage.

Tilting of the plunger due to the tool weight must be considered for a horizontal installation.

Radial forces must not exceed 8% of the nominal force of the unit.

If the ratio of pause time / cycle time is < 0,5, please consult PROMESS.

Order code: **LN5 I 0100-035-030**

Motor position

I: Inline / P: Parallel

Nominal force in 1/10 kN

Nominal stroke in cm

Nominal speed in cm/s

Brake:

H: Holding brake / S: Safety brake

N: without brake

Special type:

GX: Basic version / XX: Special type

For more efficiency.

Position	A	B	C			
Benennung description	Schmierstelle Lager lube point bearing	Schmierstelle Spindelmutter M6 lube point spindle nut M6	Kabelabgang Kraftaufnehmer lead outlet force transducer			
Schmiermenge [cm ³] volume of lube [cm ³]	0,8	0,3	-			
				Schmierintervall lubricating intervals	5000 h oder / or 250000 Hübe / strokes	verwendetes Schmierfett used grease KLÜBER- ISOFLEX NCA 15
						Gewicht Weight NXX/HXX/SXX [kg] 40,3 / 41 / 45,2

XX=folgende Angaben haben keine Auswirkung auf die Anschlussmaße
following specifications have no effect to the connection dimensions

LN510100-035-030NXX / HXX / SXX

01/2016 technische Änderungen vorbehalten