

Assembly Press

UFM Classic Art. No. 37402188G2

Main functions	
Nominal force (push/pull)	3 / 3 kN
Measurement ranges	0,9/1/13/15/18/21/24/27/30kN
Nominal speed	120 mm/s
Nominal acceleration	2000 mm/s ²
Dwell time of nominal load	Permanent
Weight mechanics	32 kg
Max. tool weight*	2 kg
Brake type	Holding brake
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	M702-034-00025-A
Dimensions (WxHxD)	83 x 382 x 200 mm
Mains voltage	3 AC 380 V ... 480 V, +/-10 %
Cable cross section (input)	IEC 1,5 mm ² / UL 18 AWG
Cable cross section (output)	IEC 1,5 mm ² / UL 18 AWG
Protection class (DIN 60529)	IP20
Weight	4 kg
Recommended protection	IEC 10 A gG UL/USA 10 A CC or J
Temperature range	-20 °C...+50 °C
Power loss	94 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.

***Arbeitshub ca. / Stroke approx. 40 - 440**

***Mitte Näherungsschalter / Centre of proximity switch: 38 mm**
***Unterkante Näherungsschalter / Bottom edge of proximity switch: 44 mm**
***Anschlag oben / Upper stop: 30mm**
***Anschlag unten / Lower stop: 463 mm**
***Schmierposition Spindelmutter / Lube point spindle nut: 102 mm**

XX=folgende Buchstaben haben keine Auswirkungen auf die Anschlussmaße
 following letters have no effect to the connection dimensions

37402188XX

06/2016 technische Änderungen vorbehalten

Position	Benennung description	A+B	C	D	E	F	Schmierintervall lubricating intervals	verwendetes Schmierfett used grease
	Schmierstelle Nut lube point groove	0,1						
	Schmierstelle Spindelmutter lube point spindle nut		0,3					
	Schmierstelle Lager lube point bearing			0,8				
	Näherungsschalter proximity switch							
	Kabelabgang Kraftaufnehmer lead outlet force transducer							
	Schmierintervall lubricating intervals						5000 oder / or 250000 Hübe / strokes	
	verwendetes Schmierfett used grease							KLUBER-ISOFLEX NCA 15