

Assembly Press

UFM Classic 80-180-150 / Art. No. 374181G2

| Main functions | |
|---------------------------------|---|
| Nominal force (push/pull) | 80 / 80 kN |
| Stroke | 180 mm |
| Nominal speed | 150 mm/s |
| Nominal acceleration | 1000 mm/s ² |
| Dwell time of nominal load | min. 4 s |
| Weight mechanics | 145,7 kg |
| Max. tool weight* | 80 kg |
| Force | |
| Measuring principle | DMS |
| System accuracy** | <1% with 2-point-calibration / <0,3% with characteristic map |
| 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 | Resolver |
| Repeatability of positioning*** | < 0,01 mm |
| Servo amplifier | |
| Type | M702-054-00270-A |
| Dimensions (WxHxD) | 143 x 391 x 200 mm |
| Mains voltage | 3 AC 380 V ... 480 V, +/-10 % |
| Cable cross section (input) | IEC 6 mm ² / UL 8 AWG |
| Cable cross section (output) | IEC 6 mm ² / UL 8 AWG |
| Protection class (DIN 60529) | IP20 |
| Weight | 7,4 kg |
| Recommended protection | IEC 35 A gG UL/USA 35 A CC or J |
| Temperature range | -20 °C...+50 °C |
| Power loss | 356 W |
| Line filter | |
| Weight | 4,2 kg |
| Cable cross section (input) | 6 mm ² / 10 AWG |
| Power loss | 47 W |
| Dimensions (WxHxD) | 143 x 437 x 60 mm |
| Protection class (DIN 60529) | IP20 |
| Interfaces | |
| PC | Ethernet |
| PLC (24 VDC) | 3I / 4O |

| Interfaces | |
|----------------------------------|--|
| 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 break: 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.

