

## Assembly Press

UFM Classic 60-180-150 / Art. No. 374060G2

| Main functions                  |   |
|---------------------------------|---|
| Nominal force (push/pull)       | 60 / 60 kN  |
| Stroke                          | 180 mm  |
| Nominal speed                   | 150 mm/s  |
| Nominal acceleration            | 1000 mm/s <sup>2</sup>  |
| Dwell time of nominal load      | min. 4 s  |
| Weight mechanics                | 145,5 kg  |
| Max. tool weight*               | 50 kg   |
| Force                           |   |
| Measuring principle             | DMS   |
| System accuracy**               | <1% with 2-point-calibration<br>/ <0,3% with characteristic map |
| Amplifier PDM-S / (WxHxD)       | Aluminum die-cast /<br>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                            | M702-044-00150-A  |
| Dimensions (WxHxD)              | 124 x 391 x 200 mm  |
| Mains voltage                   | 3 AC 380 V ... 480 V, ±10 %                                     |
| Cable cross section (input)     | IEC 6 mm <sup>2</sup> / UL 10 AWG                               |
| Cable cross section (output)    | IEC 6 mm <sup>2</sup> / UL 10 AWG                               |
| Protection class (DIN 60529)    | IP20  |
| Weight                          | 6,5 kg  |
| Recommended protection          | IEC 25 A gG<br>UL/USA 25 A CC or J                              |
| Temperature range               | -20 °C...+50 °C   |
| Power loss                      | 283 W   |
| Line filter                     |   |
| Weight                          | 3,6 kg  |
| Cable cross section (input)     | 6 mm <sup>2</sup> / 10 AWG                                      |
| Power loss                      | 28 W  |
| Dimensions (WxHxD)              | 123 x 437 x 60 mm   |
| Protection class (DIN 60529)    | IP20  |
| Interfaces                      |   |
| PC                              | Ethernet  |
| PLC (24 VDC)                    | 3I / 4O   |

| Interfaces                       |  |
|----------------------------------|--|
| PLC Fieldbus                     | Profibus, Profinet, EtherCat,<br>EtherNet/IP, Modbus/TCP   |
| Extension Options<br>PROMESS Bus | PDM-A: 4x analogue / PDM-<br>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.

