

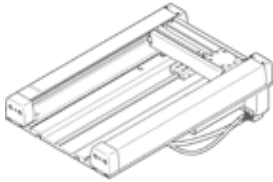
planar surface gantry EXCM-10-260-110-GF-ST-B-E1

Part number: 1801915
Product to be discontinued

FESTO

[With plain-bearing guide.](#)

Type to be discontinued. Available until 2018. See Support Portal for alternative products.



Data sheet

| Feature | Value |
|--|--|
| Size | 10 |
| Stroke in X direction | 260 mm |
| Stroke in Y direction | 110 mm |
| Controller operating mode | PWM-MOSFET power output stage Cascade controller with P position controller PI speed controller Proportional and integral controller for electricity |
| Operating mode | Micro step, 2000 step/U |
| Adjustable current reduction | Using software |
| Assembly position | Horizontal |
| Position sensor | Encoder |
| Mains filter | Integrated |
| Protective function | I ² t monitoring Temperature monitoring Current monitoring Voltage failure detection Drag error monitoring Software end-position detection |
| Design structure | Planar surface gantry |
| Type of interpolation | Linear interpolation |
| Motor type | Stepper motor |
| Position mode | Set selection mode Position directly transferred |
| Display | 7-segment |
| Nominal current adjustment | Using software |
| Max. acceleration | 3 m/s ² |
| Max. speed | 0.3 m/s |
| Repetition accuracy | ±0,1 mm |
| Braking resistance | 15 Ohm |
| Digital logic output characteristics | Not electrically isolated |
| Duty cycle | 100% |
| Max. current, digital logic outputs | 100 mA |
| Max. intermediate circuit voltage, DC | 28 V |
| Nominal DC voltage, logic power supply | 24 V |
| Nominal voltage, load supply DC | 24 V |
| Nominal current, load supply | 6 A |
| Nominal current, logic supply | 0.3 A |
| Effective nominal current per phase | 1.4 A |
| Parameters configuring interface | Ethernet |
| Position control | Yes |
| Ethernet, supported protocols | TCP/IP |

| Feature | Value |
|--|--|
| Peak current, load supply | 8 A |
| Permissible range, logic voltage | ± 15 % |
| CE mark (see declaration of conformity) | to EU directive for EMC |
| Storage temperature | -10 ... 60 °C |
| Relative air humidity | 0 - 90 % non-condensing |
| Sound pressure level | 38 dB(A) |
| Protection class | IP20 |
| Ambient temperature | 10 ... 45 °C |
| Speed at max. torque | 0.2 m/s |
| Motor holding torque | 0.127 Nm |
| Max. force Fz | 150 N |
| Max. torque Mx | 2 Nm |
| Max. torque My | 0.5 Nm |
| Max. torque Mz | 2 Nm |
| Nominal torque | 0.127 Nm |
| Rated load with maximum dynamic response | 0.5 kg |
| Product weight | 3,800 g |
| Number of 24 V DC digital logic outputs | 5 |
| Number of digital logic inputs | 9 |
| Communications profile | FHPP |
| Process interface | I/O coupling for 64 position sets |
| Specification, logic input | Based on IEC 61131-2 |
| Logic input working range | 24 V |
| Logic input characteristics | galvanically connected to logic potential |
| Switching logic, outputs | NPN (negative switching) |
| Input circuit logic | NPN (negative switching) |
| Communication interface, logic | CAN DS 301 E/A 64pos Ethernet - TCP/IP |
| Mounting type | With through-hole and screw |
| Materials note | Conforms to RoHS |