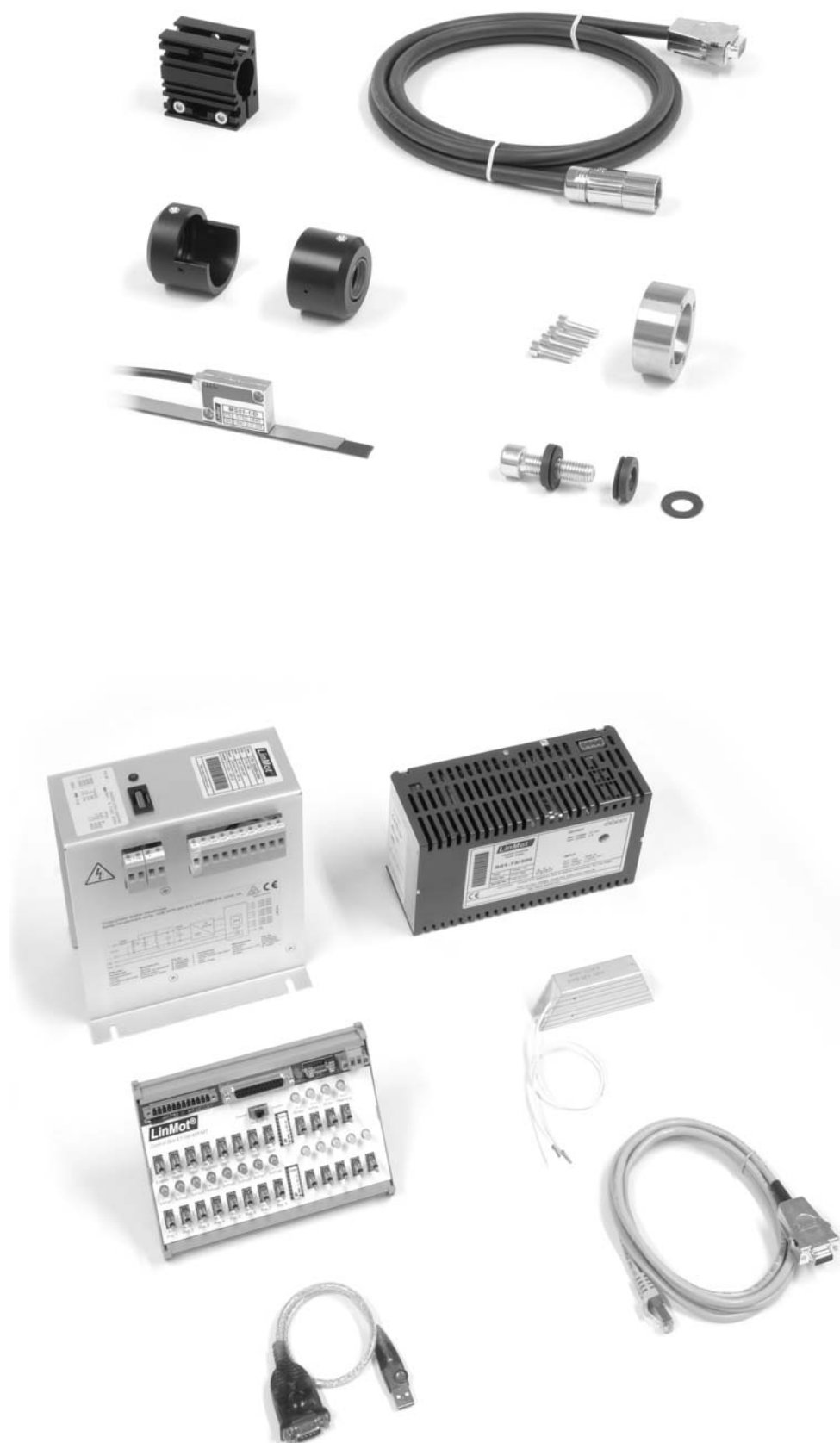




|                     |            |
|---------------------|------------|
| <b>Motor Cables</b> | <b>510</b> |
|---------------------|------------|

|                      |            |
|----------------------|------------|
| <b>Motor Flanges</b> | <b>520</b> |
|----------------------|------------|

|                      |            |
|----------------------|------------|
| <b>Slider Mounts</b> | <b>526</b> |
|----------------------|------------|

|               |            |
|---------------|------------|
| <b>Wipers</b> | <b>528</b> |
|---------------|------------|

|                                        |            |
|----------------------------------------|------------|
| <b>External Position Sensor MS01/D</b> | <b>530</b> |
|----------------------------------------|------------|

|                                     |            |
|-------------------------------------|------------|
| <b>Switched-Mode Power Supplies</b> | <b>532</b> |
|-------------------------------------|------------|

|                                         |            |
|-----------------------------------------|------------|
| <b>Switched-Mode Power Supplies 72V</b> | <b>534</b> |
|-----------------------------------------|------------|

|                             |            |
|-----------------------------|------------|
| <b>Transformer Supplies</b> | <b>536</b> |
|-----------------------------|------------|

|                              |            |
|------------------------------|------------|
| <b>Regeneration Resistor</b> | <b>538</b> |
|------------------------------|------------|

|                                      |            |
|--------------------------------------|------------|
| <b>Connector Cable and Converter</b> | <b>538</b> |
|--------------------------------------|------------|

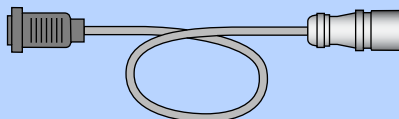
|                    |            |
|--------------------|------------|
| <b>Control Box</b> | <b>539</b> |
|--------------------|------------|

## Motor Accessories

An extensive array of accessories, tailored to LinMot P01 linear motors and compatible with the Servo Drives, rounds out the LinMot Drive Systems product range.



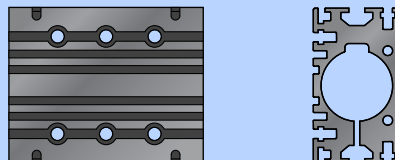
### Motor Cable



Pre-fabricated motor cables, or bulk stock in standard, high-flex, and robot versions.

Details Page 510

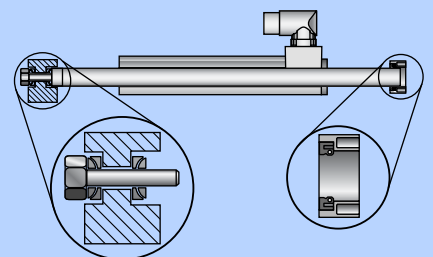
### Motor Flanges



Motor flanges for mounting LinMot stators.

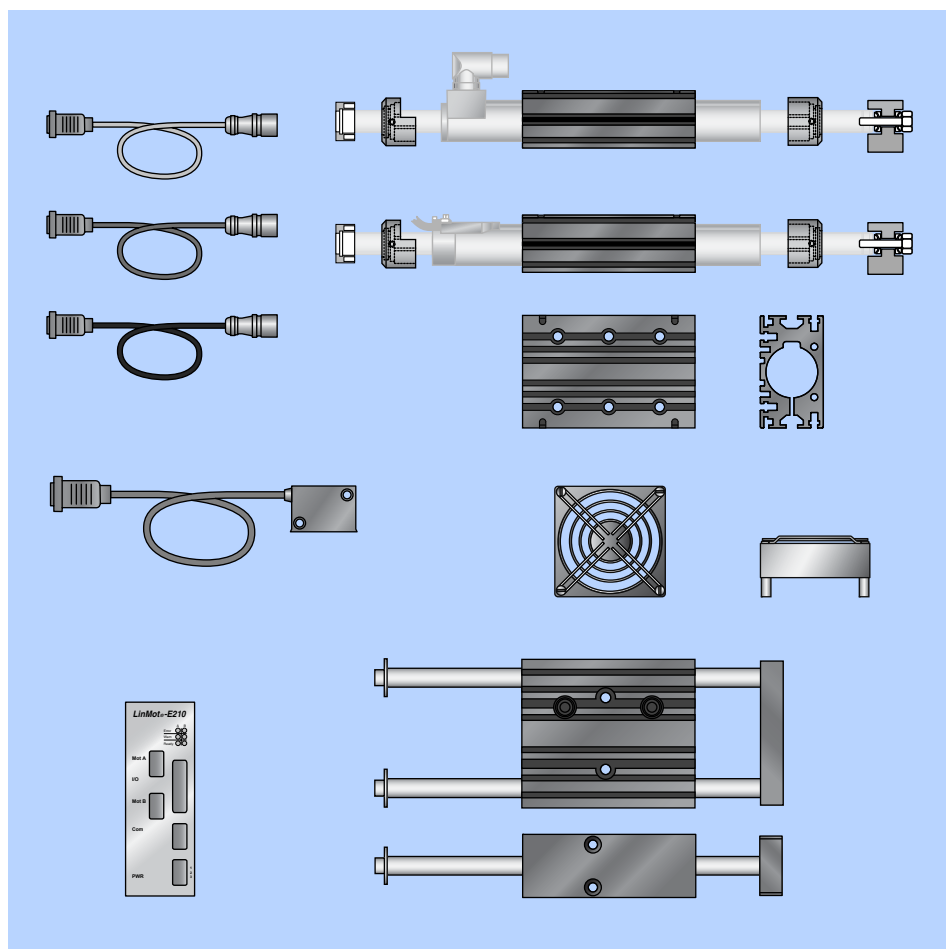
Details Page 520

### Slider Mounting Kits



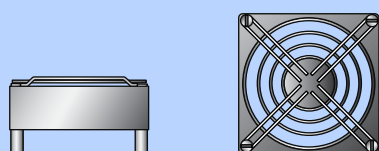
Slider mounting kits, for simple mounting of the slider in "moving slider" or "moving stator" applications.

Details Page 526



LinMot's array of accessories designed for linear motors allows quick, simple implementation and startup of various tasks. The original motor accessories, specially designed for LinMot, also ensure reliable and fault-free operation of the linear motors.

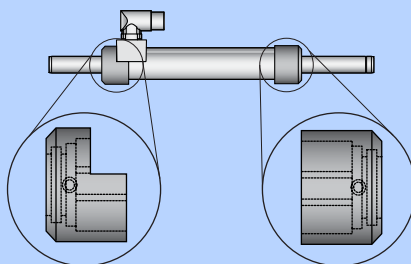
## Option: Fan



With an optional fan, the effective force of the linear motor can be nearly doubled.

Details Page 522

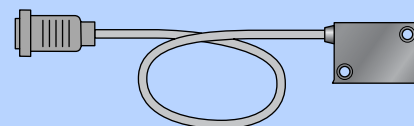
## Option: Wipers



Wipers for use in difficult environments. The wipers keep the slider free of grease or contaminants, and protect the stator from dirt.

Details Page 528

## Option: External Position Sensor



An external position sensor is available for high-precision applications with extreme requirements for positioning accuracy.

Details Page 530

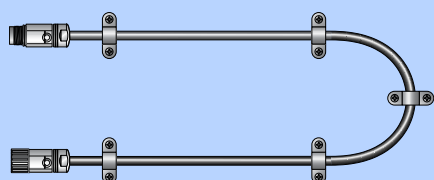
## Motor Cables

Motor cables are available for linear motors with the designation K, KS, and KR for stationary installation, installation in cable chains, and for robot applications.

LinMot motor cables are available in all three versions as bulk goods, as a roll, or as a completely fabricated motor cable with a wide range of plug combinations and any desired length. Standard lengths with the most common connector combinations are also available from stock.

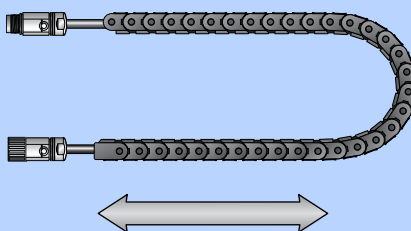


### Standard Motor Cable K



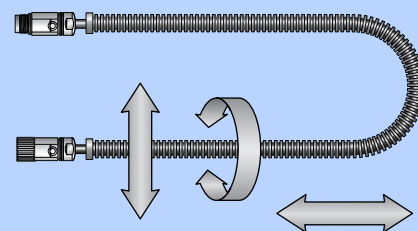
The standard motor cable, type K, is suitable for stationary runs. It is used wherever the motor cable is fixed and is not subject to motion. At exposed locations, the motor cable should be protected from mechanical damage by cable conduits.

### High-Flex Motor Cable KS

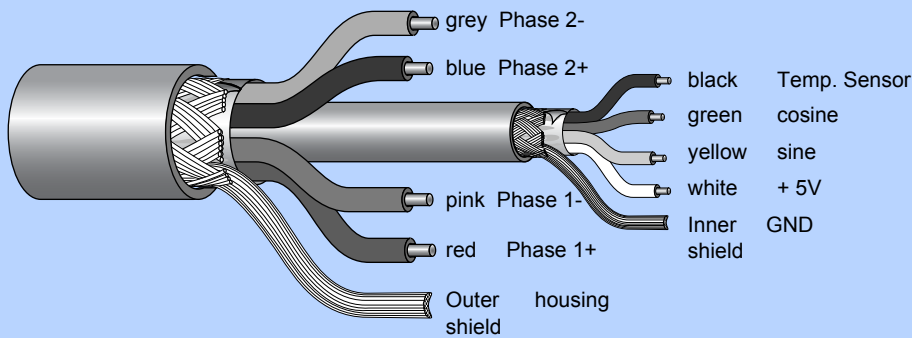


The high-flex motor cable, type KS, is suitable for applications with moving motor cables, where the cable is run inside a cable track, and is subject to roll-up motion. High-Flex cable is supplied without the cable track.

### Robot Motor Cable KR



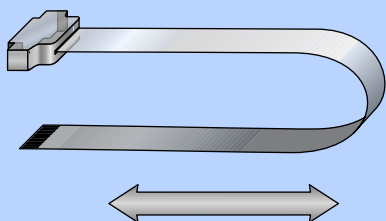
If the motor cable is subject to torsional motion, then the special robot cable, type KR, is used. In order to protect the robot cable from mechanical damage, it should be run in an appropriate cable conduit.



A single motor cable is sufficient to connect the linear motor and Servo Drive. It contains the motor phases and sensor signals from the position sensors integrated in the motor.

All LinMot motor cables have separate shielding for the motor phases and the sensor signals. This special double shielding ensures fault-free operation of linear motors at up to 50m cable lengths.

## Flat Ribbon Cable KF



For the short motor P02-23Sx80, a flat ribbon cable is available with the designation KF. The flat ribbon cable can be subjected to roll-up motion, just as the high-flex cable. Due to its low level of predection, the flat ribbon cable is more suitable for device design than for machine building.

## Motor Cable, Bulk Goods

LinMot motor cable is available by the meter in all versions, K, KS, and KR. The cable can be cut to the desired length, or ordered in large quantities on rolls.

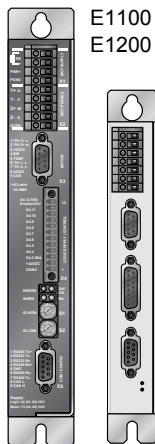
LinMot provides all of its motor connectors for customer fabrication of motor cables. Motor cables fabricated by the customer are to be tested with a test voltage of 1500VDC prior to startup.

## Fabricated Motor Cable

Fabricated motor cables can be provided with any desired length up to 50m. The motor cable is ordered in the desired length, together with the matching motor connectors (fabricated).

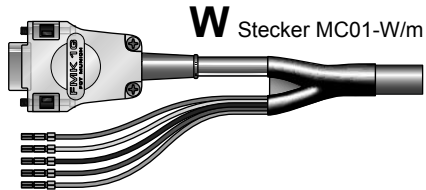
Fabricated motor cables with the most commonly used connector combinations can be ordered from stock in standard lengths.

Fabricated motor cables from LinMot are manufactured exclusively with crimped contacts, and tested under 1500VDC prior to delivery.

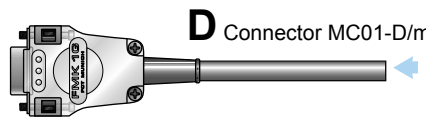


E1100  
E1200

B1100  
B1150  
C1200



**W** Stecker MC01-W/m



**D** Connector MC01-D/m

Only for stators with current within the drive's connector specification.

K15-04/05

High flex cable KS10-04/05

Robot cable KR10-04/05

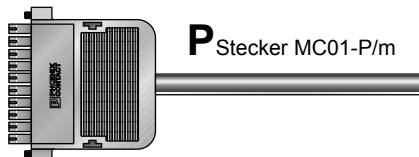


E1100: D-sub connector up to 5 A<sub>rms</sub> / 7.5 A<sub>peak</sub>  
For UL, use W connectors only

B1100: D-sub connector up to 3 A<sub>rms</sub> / 4.5 A<sub>peak</sub>



E1001



**P** Stecker MC01-P/m

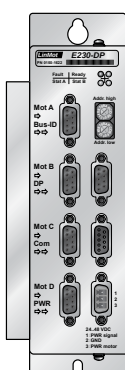
Standard cable K05-04/05

High flex cable KS05-04/05

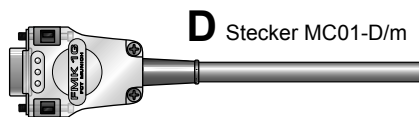
Robot cable KR05-04/05



- For the connection between the linear motor and Servo Drive, only the specially shielded LinMot cables of type K, KS or KR should be used.
- The length of the cable can be up to 50 m between the linear motor and the Servo Drive.
- Motor cables fabricated by the customer are to be tested with a test voltage of 1500VDC.
- An improperly fabricated motor cable can damage both the linear motor and the Servo Drive.
- The minimum bend radius is to be observed for stationary cables as well as for moving motor cables.
- The motor cable must not be plugged in or unplugged while under voltage.



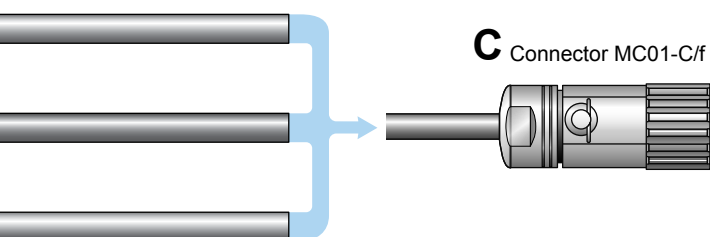
E100



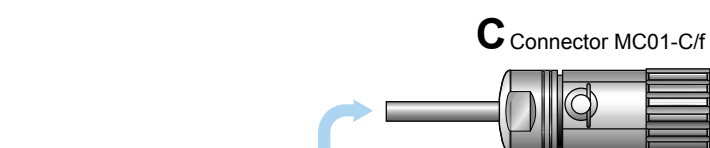
**D** Stecker MC01-D/m

## Ordering Example:

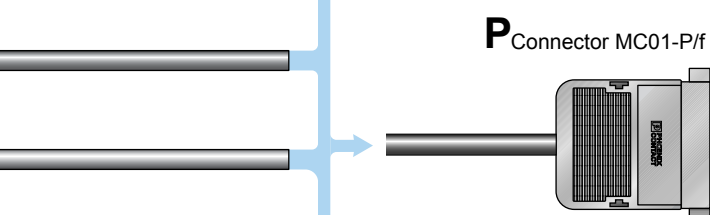
4m high flex cable for Servo Drive E1100 and linear motor PS01-23x160-R:  
- KS05-D/R-4



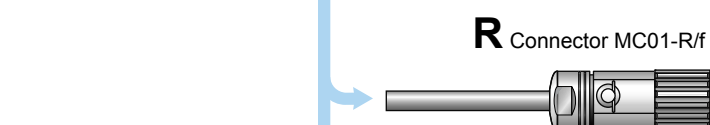
|                |                                                                                   |                                 |
|----------------|-----------------------------------------------------------------------------------|---------------------------------|
| Connector Type |  | PS01-48X240-C<br>PS01-48x240F-C |
|                |  | PS01-37x240F-C                  |
| Cable Type     |  | PS01-37X240F-C20                |



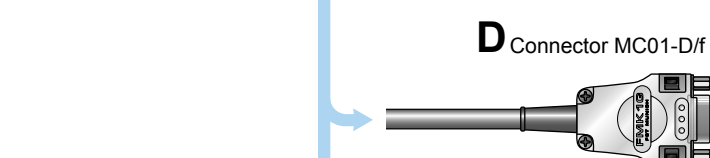
|                |                                                                                   |                                                                               |
|----------------|-----------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Connector Type |  | PS01-48X240-C<br>PS01-48X240F-C                                               |
|                |  | PS01-37X240-C<br>PS01-37X240F-C<br>PS01-37x120-C<br>PS01-37x120F-HP-C         |
| Cable Type     |  | PS01-37X240-C20<br>PS01-37X240F-C20<br>PS01-37X120-C20<br>PS01-37X120F-HP-C20 |



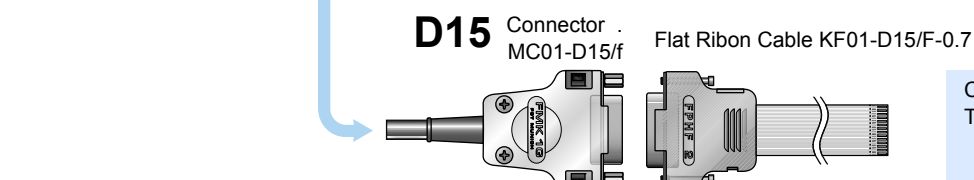
|            |                                                                                     |                            |
|------------|-------------------------------------------------------------------------------------|----------------------------|
| Cable Type |  | PS01-37x240<br>PS01-37X120 |
|------------|-------------------------------------------------------------------------------------|----------------------------|

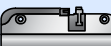


|                |                                                                                      |                                                                              |
|----------------|--------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Connector Type |  | PS01-23x160-R<br>PS01-23x160F-R<br>PS01-23x160G-HP-R<br>PS01-23x80-R         |
| Cable Type     |  | PS01-23x160-R20<br>PS01-23x160F-R20<br>PS01-23x160G-HP-R20<br>PS01-23x80-R20 |



|            |                                                                                      |                           |
|------------|--------------------------------------------------------------------------------------|---------------------------|
| Cable Type |  | PS01-23x160<br>PS01-23x80 |
|------------|--------------------------------------------------------------------------------------|---------------------------|



|            |                                                                                       |             |
|------------|---------------------------------------------------------------------------------------|-------------|
| Cable Type |  | PS02-23Sx80 |
|------------|---------------------------------------------------------------------------------------|-------------|

## Fabricated Motor Cables standard lengths

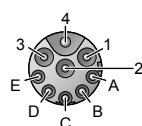
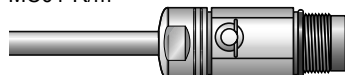
| Item                                                                       | Description                             | Part Number |
|----------------------------------------------------------------------------|-----------------------------------------|-------------|
| <b>MOTOR CABLE ASSEMBLED STANDARD</b>                                      |                                         |             |
| K05-D/D-2                                                                  | motor cable D/D, 2 m                    | 0150-1910   |
| K05-D/D-4                                                                  | motor cable D/D, 4 m                    | 0150-1911   |
| K05-D/D-6                                                                  | motor cable D/D, 6 m                    | 0150-1912   |
| K05-D/D-8                                                                  | motor cable D/D, 8 m                    | 0150-1913   |
| K05-D/P-0.25                                                               | motor cable D/P, 0.25m                  | 0150-1921   |
| K05-D/P-2                                                                  | motor cable D/P, 2 m                    | 0150-1949   |
| K05-D/P-4                                                                  | motor cable D/P, 4 m                    | 0150-1995   |
| K05-D/P-6                                                                  | motor cable D/P, 6 m                    | 0150-1994   |
| K05-D/R-2                                                                  | motor cable D/R, 2 m                    | 0150-1832   |
| K05-D/R-4                                                                  | motor cable D/R, 4 m                    | 0150-1833   |
| K05-D/R-6                                                                  | motor cable D/R, 6 m                    | 0150-1834   |
| K05-D/R-8                                                                  | motor cable D/R, 8 m                    | 0150-1835   |
| K05-D/C-2                                                                  | motor cable D/C, 2 m                    | 0150-1819   |
| K05-D/C-4                                                                  | motor cable D/C, 4 m                    | 0150-1820   |
| K05-D/C-6                                                                  | motor cable D/C, 6 m                    | 0150-1821   |
| K05-D/C-8                                                                  | motor cable D/C, 8 m                    | 0150-1822   |
| K05-P/D-0.4                                                                | motor cable P/D, 0.4 m                  | 0150-1922   |
| K05-P/P-2                                                                  | motor cable P/P, 2 m                    | 0150-1915   |
| K05-P/P-4                                                                  | motor cable P/P, 4 m                    | 0150-1916   |
| K05-P/P-6                                                                  | motor cable P/P, 6 m                    | 0150-1917   |
| K05-P/P-8                                                                  | motor cable P/P, 8 m                    | 0150-1918   |
| K05-P/C-2                                                                  | motor cable P/C, 2 m                    | 0150-1818   |
| K05-P/C-4                                                                  | motor cable P/C, 4 m                    | 0150-1804   |
| K05-P/C-6                                                                  | motor cable P/C, 6 m                    | 0150-1805   |
| K05-P/C-8                                                                  | motor cable P/C, 8 m                    | 0150-1806   |
| K05-W/R-2                                                                  | motor cable W/R, 2 m                    | 0150-2119   |
| K05-W/R-4                                                                  | motor cable W/R, 4 m                    | 0150-2120   |
| K05-W/R-6                                                                  | motor cable W/R, 6 m                    | 0150-2121   |
| K05-W/R-8                                                                  | motor cable W/R, 8 m                    | 0150-2122   |
| K05-W/C-2                                                                  | motor cable W/C, 2 m                    | 0150-2123   |
| KS05-W/N-2                                                                 | motor cable W/C, 2 m                    | 0150-2296   |
| KS05-W/N-4                                                                 | motor cable W/C, 2 m                    | 0150-2297   |
| KS05-W/N-6                                                                 | motor cable W/C, 2 m                    | 0150-2298   |
| KS05-W/N-8                                                                 | motor cable W/C, 2 m                    | 0150-2299   |
| K05-W/C-4                                                                  | motor cable W/C, 4 m                    | 0150-2124   |
| K05-W/C-6                                                                  | motor cable W/C, 6 m                    | 0150-2125   |
| K05-W/C-8                                                                  | motor cable W/C, 8 m                    | 0150-2126   |
| K05-W/D-0.4                                                                | motor cable W/D, 0.4 m                  | 0150-1947   |
| K05-W/P-0.4                                                                | motor cable W/P, 0.4 m                  | 0150-1948   |
| K15-W/C-2                                                                  | motor cable W/C, 2 m                    | 0150-1811   |
| K15-W/C-4                                                                  | motor cable W/C, 4 m                    | 0150-1801   |
| K15-W/C-5                                                                  | motor cable W/C, 5 m                    | 0150-1849   |
| K15-W/C-6                                                                  | motor cable W/C, 6 m                    | 0150-1802   |
| K15-W/C-8                                                                  | motor cable W/C, 8 m                    | 0150-1803   |
| <b>MOTOR CABLE ASSEMBLED HIGH FLEX</b>                                     |                                         |             |
| KS05-D/D-2                                                                 | trailing chain cable D/D, 2 m           | 0150-1988   |
| KS05-D/D-4                                                                 | trailing chain cable D/D, 4 m           | 0150-1989   |
| KS05-D/R-2                                                                 | trailing chain cable D/R, 2 m           | 0150-1854   |
| KS05-D/R-4                                                                 | trailing chain cable D/R, 4 m           | 0150-1836   |
| KS05-D/R-6                                                                 | trailing chain cable D/R, 6 m           | 0150-1855   |
| KS05-D/R-8                                                                 | trailing chain cable D/R, 8 m           | 0150-1837   |
| KS05-D/C-2                                                                 | trailing chain cable D/C, 2m            | 0150-1856   |
| KS05-D/C-4                                                                 | trailing chain cable D/C, 4 m           | 0150-1823   |
| KS05-D/C-6                                                                 | trailing chain cable D/C, 6 m           | 0150-1857   |
| KS05-D/C-8                                                                 | trailing chain cable D/C, 8 m           | 0150-1824   |
| KS05-P/P-2                                                                 | trailing chain cable P/P, 2 m           | 0150-1990   |
| KS05-P/P-4                                                                 | trailing chain cable P/P, 4 m           | 0150-1991   |
| KS05-P/C-4                                                                 | trailing chain cable P/C, 4 m           | 0150-1809   |
| KS05-P/C-8                                                                 | trailing chain cable P/C, 8 m           | 0150-1810   |
| KS05-R/R-2                                                                 | trailing chain cable R/R, 2 m           | 0150-1838   |
| KS05-R/R-4                                                                 | trailing chain cable R/R, 4 m           | 0150-1839   |
| KS05-W/C-4                                                                 | trailing chain cable W/C, 4 m           | 0150-2127   |
| KS05-W/C-6                                                                 | trailing chain cable W/C, 6 m           | 0150-2128   |
| KS05-W/C-8                                                                 | trailing chain cable W/C, 8 m           | 0150-2129   |
| KS05-W/R-4                                                                 | trailing chain cable W/R, 4 m           | 0150-2106   |
| KS05-W/R-6                                                                 | trailing chain cable W/R, 6 m           | 0150-2131   |
| KS05-W/R-8                                                                 | trailing chain cable W/R, 8 m           | 0150-2107   |
| KS05-C/C-2                                                                 | trailing chain cable C/C, 2 m           | 0150-1827   |
| KS05-C/C-4                                                                 | trailing chain cable C/C, 4 m           | 0150-1828   |
| KS10-C/C-2                                                                 | trailing chain cable C/C, 2 m           | 0150-1816   |
| KS10-C/C-4                                                                 | trailing chain cable C/C, 4 m           | 0150-1817   |
| KS10-W/C-4                                                                 | trailing chain cable W/C, 4 m           | 0150-1807   |
| KS10-W/C-5                                                                 | trailing chain cable W/C, 5 m           | 0150-1860   |
| KS10-W/C-6                                                                 | trailing chain cable W/C, 6 m           | 0150-1858   |
| KS10-W/C-8                                                                 | trailing chain cable W/C, 8 m           | 0150-1808   |
| <b>POWER &amp; ENCODER CABLE FOR LINEAR MOTORS P10-70 (3x400...480VAC)</b> |                                         |             |
| KPS15-04-L/Q-3                                                             | power trailing chain cable L/Q, 3m      | 0150-2266   |
| KPS15-04-L/Q-5                                                             | power trailing chain cable L/Q, 5m      | 0150-2261   |
| KPS15-04-L/Q-8                                                             | power trailing chain cable L/Q, 8m      | 0150-2267   |
| KPS15-04-L/Q-12                                                            | power trailing chain cable L/Q, 12m     | 0150-2268   |
| KSS05-02/08-D15/J-3                                                        | encoder trailing chain cable D15/J, 3m  | 0150-2263   |
| KSS05-02/08-D15/J-5                                                        | encoder trailing chain cable D15/J, 5m  | 0150-2262   |
| KSS05-02/08-D15/J-8                                                        | encoder trailing chain cable D15/J, 8m  | 0150-2264   |
| KSS05-02/08-D15/J-12                                                       | encoder trailing chain cable D15/J, 12m | 0150-2265   |

## Motor Cable and Connectors

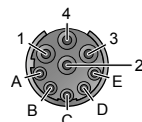
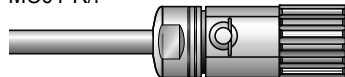
| Item                                                                  | Description                                | Part Number |
|-----------------------------------------------------------------------|--------------------------------------------|-------------|
| <b>MOTOR CABLE PER M</b>                                              |                                            |             |
| K05-04/05                                                             | motor cable per m                          | 0150-1920   |
| K05-04/05-50                                                          | motor cable 50m roll                       | 0150-1956   |
| K05-04/05-100                                                         | motor cable 100m roll                      | 0150-1957   |
| K05-04/05-200                                                         | motor cable 200m roll                      | 0150-1958   |
| K15-04/05                                                             | motor cable per m                          | 0150-1978   |
| K15-04/05-100                                                         | motor cable, 100 m roll                    | 0150-1969   |
| KS03-09                                                               | trailing chain cable per m (max. 2m)       | 0150-2182   |
| KS05-04/05                                                            | trailing chain cable (per m)               | 0150-1938   |
| KS05-04/05-100                                                        | trailing chain cable 100 m roll            | 0150-1959   |
| KS10-04/05                                                            | trailing chain cable per m                 | 0150-1977   |
| KS10-04/05-100                                                        | trailing chain cable, 100m roll            | 0150-1968   |
| KR05-04/05                                                            | robotic cable (per m)                      | 0150-1846   |
| KR05-04/05-100                                                        | robotic cable, 100m roll                   | 0150-1847   |
| KR10-04/05                                                            | robotic cable (per m)                      | 0150-1830   |
| KR10-04/05-100                                                        | robotic cable, 100m roll                   | 0150-1831   |
| <b>MOTOR CONECTORS, ASSEMBLED CONECTORS</b>                           |                                            |             |
| MC01-D/m                                                              | motor connector D (m)                      | 0150-3024   |
| MC01-D/f                                                              | motor connector D (f)                      | 0150-3025   |
| MC01-D15/f                                                            | motor connector D15/f                      | 0150-3136   |
| MC01-K/f                                                              | motor connector K (f)                      | 0150-3345   |
| MC01-P/m                                                              | motor connector P (m)                      | 0150-3020   |
| MC01-P/f                                                              | motor connector P(f)                       | 0150-3021   |
| MC01-R/m                                                              | motor connector R/m                        | 0150-3130   |
| MC01-R/f                                                              | motor connector R/f                        | 0150-3129   |
| MC01-N/f                                                              | motor connector N/f                        | 0150-3407   |
| MC01-C/m                                                              | motor connector C/m                        | 0150-3093   |
| MC01-C/f                                                              | motor connector C/f                        | 0150-3080   |
| MC01-W/m                                                              | motor connector W/m                        | 0150-3140   |
| MC01-D/m-as                                                           | D/m-connector assembled                    | 0150-3055   |
| MC01-D/f-as                                                           | D/f-connector assembled                    | 0150-3142   |
| MC01-D15/m-as                                                         | D15/m-connector assembled                  | 0150-3148   |
| MC01-D15/f-as                                                         | D15/f-connector assembled                  | 0150-3073   |
| MC01-K/f-as                                                           | K/f-connector assembled                    | 0150-3346   |
| MC01-P/m-as                                                           | P/m-connector assembled                    | 0150-3056   |
| MC01-P/f-as                                                           | P/f-connector assembled                    | 0150-3144   |
| MC01-R/m-as                                                           | R/m-connector assembled                    | 0150-3097   |
| MC01-R/f-as                                                           | R/f-connector assembled                    | 0150-3143   |
| MC01-N/f-as                                                           | N/f-connector assembled                    | 0150-3408   |
| MC01-C/m-as                                                           | C/m-connector assembled                    | 0150-3099   |
| MC01-C/f-as                                                           | C/f-connector assembled                    | 0150-3146   |
| MC01-W/m-as                                                           | W/m-connector assembled                    | 0150-3147   |
| <b>MOTOR CONECTORS IP69K, ASSEMBLED CONECTORS IP69K</b>               |                                            |             |
| MC01-R/f-IP69K                                                        | motor connector R/f, IP69K                 | 0150-3341   |
| MC01-R/f-IP69K-SSC                                                    | motor connector R/f, IP69K, SSC            | 0150-3347   |
| MC01-C/f-IP69K                                                        | motor connector C/f, IP69K                 | 0150-3339   |
| MC01-C/f-IP69K-SSC                                                    | motor connector C/f, IP69K, SSC            | 0150-3306   |
| MC01-R/f-IP69K-as                                                     | motor connector R/f, IP69K, assembled      | 0150-3342   |
| MC01-R/f-IP69K-SSC-as                                                 | motor connector R/f, IP69K, SSC, assembled | 0150-3343   |
| MC01-C/f-IP69K-as                                                     | motor connector C/f, IP69K, assembled      | 0150-3340   |
| MC01-C/f-IP69K-SSC-as                                                 | motor connector C/f, IP69K, SSC, assembled | 0150-3325   |
| <b>MOTOR CABLE FOR SHORT MOTOR P02-23Sx80-F</b>                       |                                            |             |
| KF02-D15/F-0.70                                                       | flat cable 0.7m, for PS02-23Sx80-F         | 0150-2158   |
| KF02-D15/F-0.48                                                       | flat cable 0.48m, for PS02-23Sx80-F        | 0150-2154   |
| KF02-D15/F-0.32                                                       | flat cable 0.32m, for PS02-23Sx80-F        | 0150-2152   |
| KF02-D15/F-0.16                                                       | flat cable 0.16m, for PS02-23Sx80-F        | 0150-2156   |
| KF02-D15/F-0.08                                                       | flat cable 0.08m, for PS02-23Sx80-F        | 0150-2150   |
| K05-D/D15-1                                                           | adapter cable D/D15,1m (for PS02-23Sx80)   | 0150-1936   |
| <b>MOTOR CABLE FOR SHORT MOTOR P02-23Sx80F-HP-K</b>                   |                                            |             |
| KS03-W/K-2                                                            | trailing chain cable W/K 2m                | 0150-2187   |
| KS03-R/K-1                                                            | trailing chain cable R/K 1m                | 0150-2185   |
| KS03-R/K-2                                                            | trailing chain cable R/K 2m                | 0150-2186   |
| <b>CABLE AND CONNECTORS FOR LINEAR MOTORS P10-70 (3x400...480VAC)</b> |                                            |             |
| KPS15-04                                                              | trailing chain cable power (per m)         | 0150-2257   |
| KSS05-02/08                                                           | trailing chain cable encoder (per m)       | 0150-2258   |
| MC10-L/m                                                              | Drive connector power MC10-L/m             | 0150-3382   |
| MC10-Q/m                                                              | Motor connector Q/m                        | 0160-2405   |
| MC10-Q/f                                                              | Motor connector MC10-Q/f                   | 0160-2268   |
| MC10-D15-45°/f                                                        | Drive connector encoder D15-45°/f          | 0150-3397   |
| MC10-J/m                                                              | Motor connector encoder MC10-J17/m         | 0160-2407   |
| MC10-J/f                                                              | Motor connector encoder MC10-J/f           | 0160-2269   |
| MC10-L/m-as                                                           | Connector L/m assembled                    | 0160-2330   |
| MC10-Q/m-as                                                           | Connector Q/m assembled                    | 0160-2406   |
| MC10-Q/f-as                                                           | Connector Q/f assembled                    | 0160-2329   |
| MC10-D15-45°/f-as                                                     | Connector D15-45°(f) assembled             | 0150-3399   |
| MC10-J/m-as                                                           | Connector J/m assembled                    | 0160-2408   |
| MC10-J/f-as                                                           | Connector J/f assembled                    | 0160-2331   |

## R-Connector

MC01-R/m

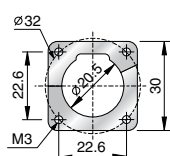


MC01-R/f

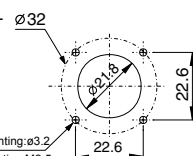


|         |               |              |
|---------|---------------|--------------|
| 1       | Phase 1+      | red          |
| 2       | Phase 1-      | pink         |
| 3       | Phase 2+      | blue         |
| 4       | Phase 2-      | grey         |
| A       | +5V           | white        |
| B       | GND           | inner shield |
| C       | Sensor sine   | yellow       |
| D       | Sensor cosine | green        |
| E       | Temp. Sensor  | black        |
| housing | shield        | outer shield |

MC01-F/R



Mounting-window:



back panel mounting: ø3.2  
front panel mounting: M2.5

| Item                      | Part Number |
|---------------------------|-------------|
| MC01-R/m                  | 0150-3130   |
| MC01-R/f                  | 0150-3129   |
| MC01-R/m-as (assembled)   | 0150-3097   |
| MC01-R/f -as (assembled)  | 0150-3143   |
| MC01-F/R Connector Flange | 0150-3253   |
| MC01-R/m-cap              | 0150-3376   |
| MC01-R/f-cap              | 0150-3377   |

MC01-R/m-cap

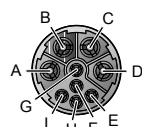


MC01-R/f-cap

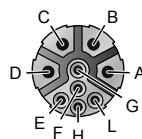
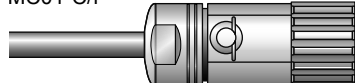


## C-Connector

MC01-C/m

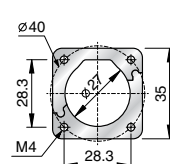


MC01-C/f

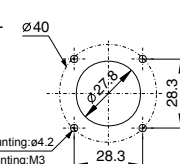


|         |               |              |
|---------|---------------|--------------|
| A       | Phase 1+      | red          |
| B       | Phase 1-      | pink         |
| C       | Phase 2+      | blue         |
| D       | Phase 2-      | grey         |
| E       | +5V           | white        |
| F       | GND           | inner shield |
| G       | Sensor sine   | yellow       |
| H       | Sensor cosine | green        |
| L       | Temp. Sensor  | black        |
| housing | shield        | outer shield |

MC01-F/C



Mounting-window:



back panel mounting: ø4.2  
front panel mounting: M3

| Item                      | Part Number |
|---------------------------|-------------|
| MC01-C/m                  | 0150-3093   |
| MC01-C/f                  | 0150-3080   |
| MC01-C/m-as (assembled)   | 0150-3099   |
| MC01-C/f-as (assembled)   | 0150-3146   |
| MC01-F/C Connector Flange | 0150-3254   |
| MC01-C/m-cap              | 0150-3378   |
| MC01-C/f-cap              | 0150-3379   |

MC01-C/m-cap

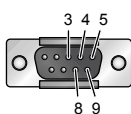
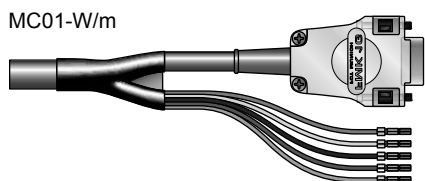


MC01-C/f-cap



## W-Connector

MC01-W/m

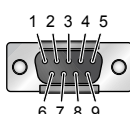
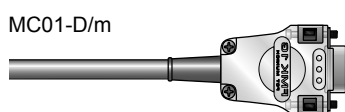


|             |               |              |
|-------------|---------------|--------------|
| strand red  | Phase 1+      | red          |
| strand pink | Phase 1-      | pink         |
| strand blue | Phase 2+      | blue         |
| strand grey | Phase 2-      | grey         |
| 3           | +5V           | white        |
| 8           | GND           | inner shield |
| 4           | Sensor sine   | yellow       |
| 9           | Sensor cosine | green        |
| 5           | Temp. Sensor  | black        |
| shield      | shield        | outer shield |

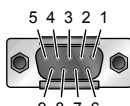
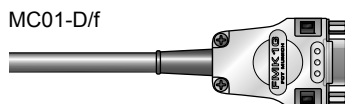
| Item                    | Part Number |
|-------------------------|-------------|
| MC01-W/m                | 0150-3140   |
| MC01-W/m-as (assembled) | 0150-3147   |

## D-Connector

MC01-D/m



MC01-D/f

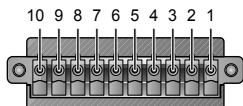
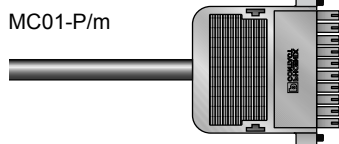


|         |               |              |
|---------|---------------|--------------|
| 1       | Phase 1+      | red          |
| 6       | Phase 1-      | pink         |
| 2       | Phase 2+      | blue         |
| 7       | Phase 2-      | grey         |
| 3       | +5V           | white        |
| 8       | GND           | inner shield |
| 4       | Sensor sine   | yellow       |
| 9       | Sensor cosine | green        |
| 5       | Temp. Sensor  | black        |
| housing | shield        | outer shield |

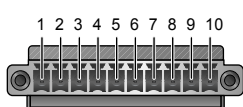
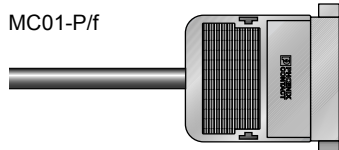
| Item                    | Part Number |
|-------------------------|-------------|
| MC01-D/m                | 0150-3024   |
| MC01-D/f                | 0150-3025   |
| MC01-D/m-as (assembled) | 0150-3055   |
| MC01-D/f-as (assembled) | 0150-3142   |

## P-Connector

MC01-P/m



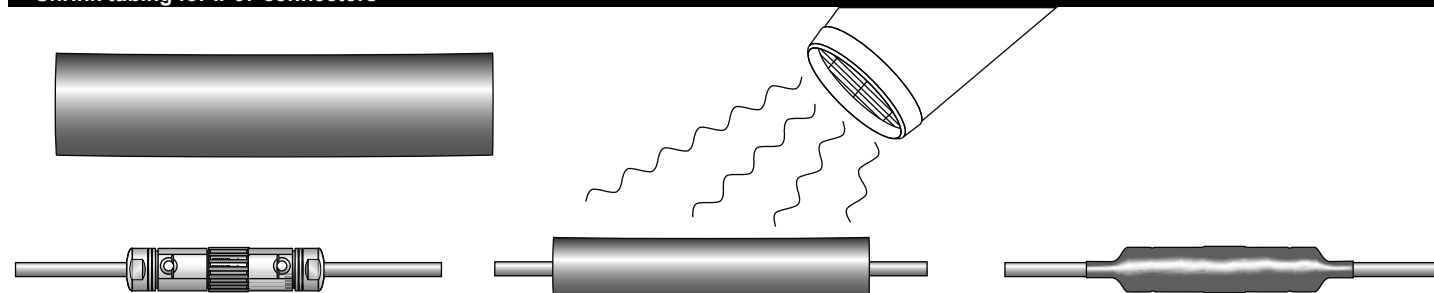
MC01-P/f



|    |               |              |
|----|---------------|--------------|
| 1  | Phase 1+      | red          |
| 2  | Phase 1-      | pink         |
| 3  | Phase 2+      | blue         |
| 4  | Phase 2-      | grey         |
| 5  | +5V           | white        |
| 6  | GND           | inner shield |
| 7  | Sensor sine   | yellow       |
| 8  | Sensor cosine | green        |
| 9  | Temp. Sensor  | black        |
| 10 | shield        | outer shield |

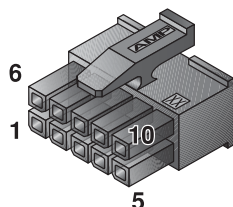
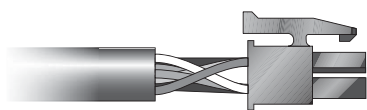
| Item                    | Part Number |
|-------------------------|-------------|
| MC01-P/m                | 0150-3020   |
| MC01-P/f                | 0150-3021   |
| MC01-P/m-as (assembled) | 0150-3056   |
| MC01-P/f-as (assembled) | 0150-3144   |

## Shrink tubing for IP67 connectors



| Item                                                                                        | Material   | Part Number |
|---------------------------------------------------------------------------------------------|------------|-------------|
| MCP01-18 Shrink tubing (with hot glue coating) for additional protection of IP67 connectors | Polyolefin | 0150-3089   |

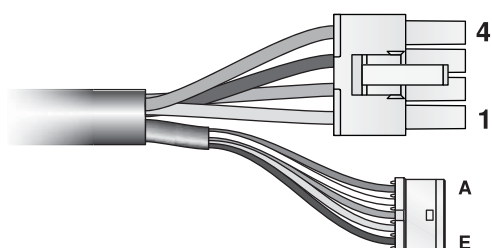
## K-Connector



|         |        |               |
|---------|--------|---------------|
| 1       | red    | Phase 1+      |
| 2       | blue   | Phase 2+      |
| 4       | rose   | Phase 1-      |
| 5       | grey   | Phase 2-      |
| 6       | yellow | Sensor sine   |
| 7       | green  | Sensor cosine |
| 8       | brown  | GND           |
| 9       | white  | +5V           |
| 10      | black  | Temp. Sensor  |
| housing | shield | outer shield  |

| Item                    | Part Number |
|-------------------------|-------------|
| MC01-K/f                | 0150-3345   |
| MC01-K/f-as (assembled) | 0150-3346   |

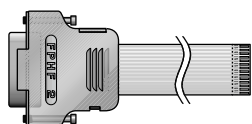
## N-Connector



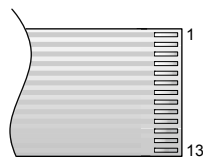
|   |              |               |
|---|--------------|---------------|
| 4 | red          | Phase 1+      |
| 3 | rose         | Phase 1-      |
| 2 | blue         | Phase 2+      |
| 1 | grey         | Phase 2-      |
| A | white        | +5V           |
| B | inner shield | GND           |
| C | yellow       | Sensor sine   |
| D | green        | Sensor cosine |
| E | black        | Temp sensor   |
|   | outer shield | housing       |

| Item                    | Part Number |
|-------------------------|-------------|
| MC01-N/f                | 0150-3407   |
| MC01-N/f-as (assembled) | 0150-3408   |

## F-Connector



MC01-D15W/f



ZIF-Line Molex  
pitch 1.25mm

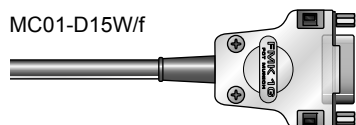


Plugging in or unplugging the flat ribbon cable under voltage can damage the motor and drive.

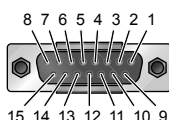
|         |               |         |
|---------|---------------|---------|
| 12 & 13 | Phase 2-      | 12 & 13 |
| 3 & 4   | Phase 2+      | 3 & 4   |
| 10 & 11 | Phase 1-      | 10 & 11 |
| 1 & 2   | Phase 1+      | 1 & 2   |
| 5       | Sensor sine   | 5       |
| 7       | GND           | 7       |
| 9       | +5V           | 9       |
| 8       | Temp. Sensor  | 8       |
| 6       | Sensor cosine | 6       |

| Item                                   | Part Number  |
|----------------------------------------|--------------|
| KF02-D15/F-...                         | see Page 515 |
| Flat ribbon cable with D15/m-Connector |              |

## D15-Connector



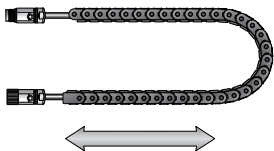
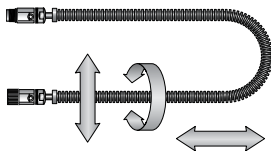
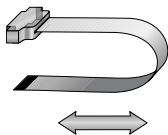
MC01-D15W/f



|         |               |              |
|---------|---------------|--------------|
| 7 & 15  | Phase 1+      | red          |
| 3 & 10  | Phase 1-      | pink         |
| 6 & 14  | Phase 2+      | blue         |
| 2 & 9   | Phase 2-      | grey         |
| 11      | +5V           | white        |
| 12      | GND           | inner shield |
| 13      | Sensor sine   | yellow       |
| 5       | Sensor cosine | green        |
| 4       | Temp. Sensor  | black        |
| housing | shield        | outer shield |

| Item                      | Part Number |
|---------------------------|-------------|
| MC01-D15/f                | 0150-3136   |
| MC01-D15/f-as (assembled) | 0150-3073   |

## LinMot Cable

|                                      | Standard cable                                                                    |                     | High Flex cable                                                                   |                           | Robot cable                                                                         |                                                | Flat ribbon cable                                                                   |
|--------------------------------------|-----------------------------------------------------------------------------------|---------------------|-----------------------------------------------------------------------------------|---------------------------|-------------------------------------------------------------------------------------|------------------------------------------------|-------------------------------------------------------------------------------------|
|                                      |  |                     |  |                           |  |                                                |  |
| Cable Type                           | K05-04/05                                                                         | K15-04/05           | KS05-04/05                                                                        | KS10-04/05                | KR05-04/05                                                                          | KR10-04/05                                     | KF02-D15/F-...                                                                      |
| Diameter                             | 0.5mm <sup>2</sup>                                                                | 1.5mm <sup>2</sup>  | 0.5mm <sup>2</sup>                                                                | 1.0mm <sup>2</sup>        | 0.5mm <sup>2</sup>                                                                  | 1.0mm <sup>2</sup>                             |                                                                                     |
| Motor phases                         | (AWG20)                                                                           | (AWG16)             | (AWG20)                                                                           | (AWG18)                   | (AWG20)                                                                             | (AWG18)                                        |                                                                                     |
| Diameter                             |                                                                                   | 0.14mm <sup>2</sup> |                                                                                   | 0.14mm <sup>2</sup>       |                                                                                     | 0.14mm <sup>2</sup>                            |                                                                                     |
| Sensor signals                       |                                                                                   | (AWG26)             |                                                                                   | (AWG26)                   |                                                                                     | (AWG26)                                        |                                                                                     |
| Inner isolation material             | TPE-U                                                                             |                     | TPE-E                                                                             |                           | TPE-E                                                                               |                                                | Polyester                                                                           |
| Outer isolation material             | PUR                                                                               |                     | PUR                                                                               |                           | PUR                                                                                 |                                                |                                                                                     |
| Cable color                          | black                                                                             |                     | black                                                                             |                           | black                                                                               |                                                | white                                                                               |
| Cable diameter                       | 8.2mm<br>(0.31in)                                                                 | 11.2mm<br>(0.44in)  | 9.5mm<br>(0.38in)                                                                 | 10.8mm<br>(0.42in)        | 9.7mm<br>(0.38in)                                                                   | 10.9mm<br>(0.43in)                             | 17.8x0.2mm<br>(0.7x0.008in)                                                         |
| Weight                               | 83kg/km                                                                           | 180kg/km            | 113kg/km                                                                          | 139kg/km                  | 109kg/km                                                                            | 136kg/km                                       |                                                                                     |
| Approvals                            | Materials according UL                                                            |                     | UL / CSA 300V                                                                     |                           | UL / CSA 300V                                                                       |                                                |                                                                                     |
| Minimal bending radius fix installed | 25mm (1in)                                                                        | 50mm (2in)          | 30mm (1.2in)                                                                      | 50mm (2in)                | 30mm (1.2in)                                                                        | 50mm (2in)                                     | foldable                                                                            |
| Minimal bending radius moving        | do not use in applications with moving motor cable                                |                     | 60mm (2.4in)<br>no torsion                                                        | 100mm (4in)<br>no torsion | 60mm (2.4in)<br>Maximal torsion: ±270° per 0.5m                                     | 100mm (4in)<br>Maximal torsion: ±270° per 0.5m | 25mm                                                                                |
| Temperature range                    | -40°...+80°C                                                                      |                     | -40°...+80°C                                                                      |                           | -40°...+80°C                                                                        |                                                | -55°...+105°C                                                                       |
| Available lengths                    | cable per m<br>cable on rolls 50m, 100m, 200m                                     |                     | cable per m<br>cable on rolls 100m                                                |                           | cable per m<br>cable on rolls 100m                                                  |                                                | 0.08-0.7m                                                                           |

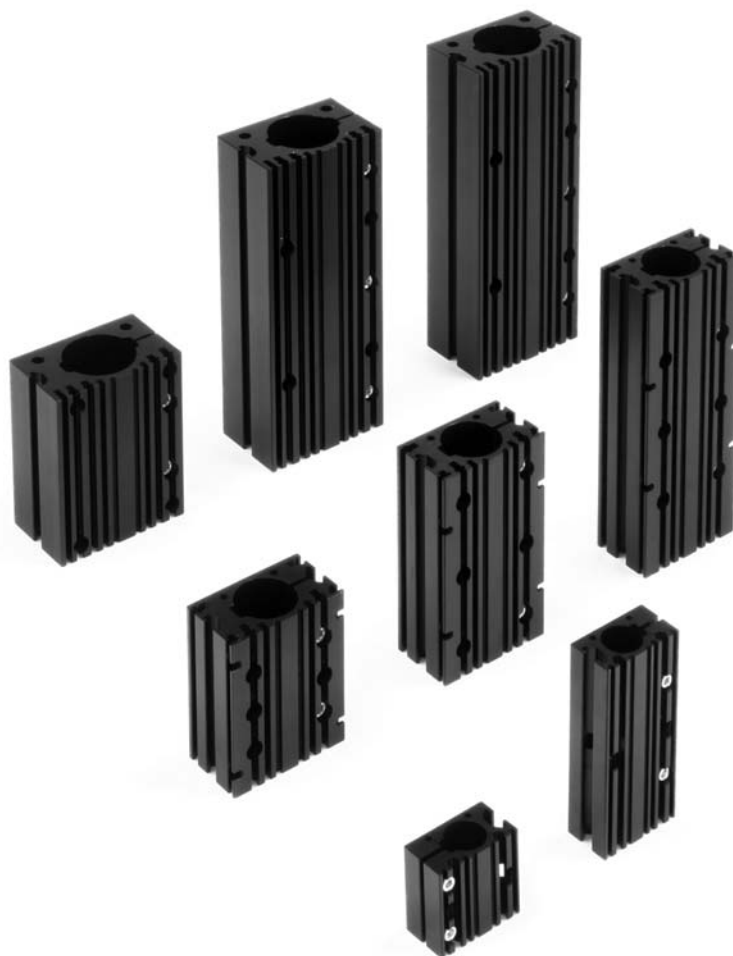
## Ordering information

|              | Standard cable     |                    | High-Flex cable    |                    | Robot cable        |                    | Flat ribbon cable |
|--------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|-------------------|
|              | 0.5mm <sup>2</sup> | 1.5mm <sup>2</sup> | 0.5mm <sup>2</sup> | 1.0mm <sup>2</sup> | 0.5mm <sup>2</sup> | 1.0mm <sup>2</sup> |                   |
| Cable per m  | K05-04/05          | K15-04/05          | KS05-04/05         | KS10-04/05         | KR05-04/05         | KR10-04/05         |                   |
|              | 0150-1920          | 0150-1978          | 0150-1938          | 0150-1977          | 0150-1846          | 0150-1830          |                   |
| Rolls 50m    | K05-04/05-50       |                    |                    |                    |                    |                    |                   |
|              | 0150-1956          |                    |                    |                    |                    |                    |                   |
| Rolls 100m   | K05-04/05-100      | K15-04/05-100      | KS05-04/05-100     | KS10-04/05-100     | KR05-04/05-100     | KR10-04/05-100     |                   |
|              | 0150-1957          | 0150-1969          | 0150-1959          | 0150-1968          | 0150-1847          | 0150-1831          |                   |
| Rolls 200m   | K05-04/05-200      |                    |                    |                    |                    |                    |                   |
|              | 0150-1958          |                    |                    |                    |                    |                    |                   |
| Single cable |                    |                    |                    |                    |                    |                    | KF02-D15/F-...    |

## Motor Flanges

LinMot PF motor flanges allow simple and rapid mounting of LinMot P linear motors. The clamp plate design allows rapid and simple mounting/dismounting of linear motors, without removing the flange from the motor.

An appropriate flange, with the correct length, is available for each linear motor family. This not only ensures secure mechanical mounting, but also guarantees optimal cooling of the linear motor.



### Stator Mounting

The same flange is used for stators with cable exits or connector housings. The stator is secured in the flange with clamping screws, so that the stator is clamped over a large area.

When the stator is mounted, the maximum screw torque should be observed and not exceeded.

Clamping over a large area, practically across the entire length of the stator, as well as the cooling fins on the flange, ensure optimal cooling of the linear motor.

### Flange Mount Option

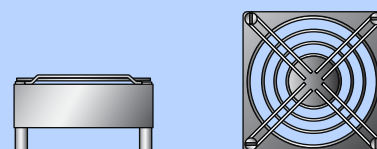
Depending on the application and installation space, the flanges can be mounted horizontally or vertically.

For horizontal installation, the flange is secured using screws in the through holes.

For vertical mounting, it is attached with T-nuts, using the T-slot on the narrow side of the flange.

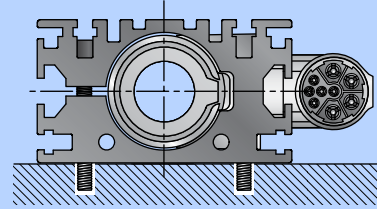
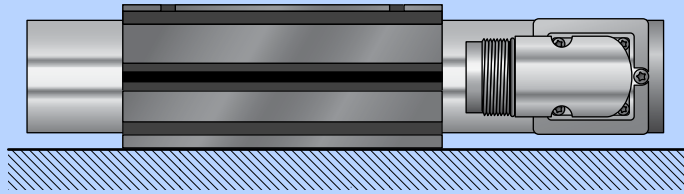
Additional T-slots on the upper side of the flange allow accessories to be mounted easily.

### Optional Fan

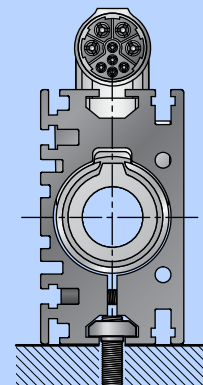
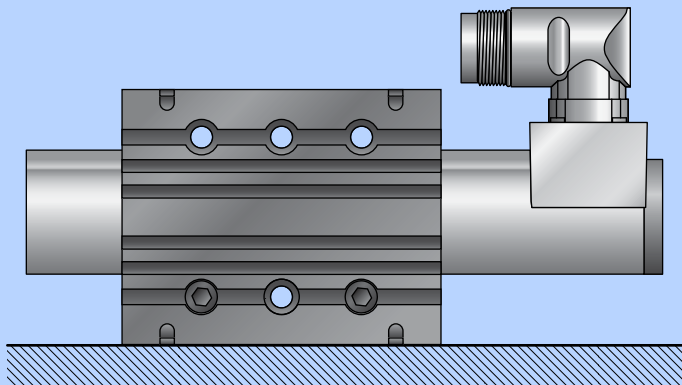


With an optional fan, the effective force of the linear motor can be nearly doubled.

## Mounting with Screwholes



## Mounting with T-Nut

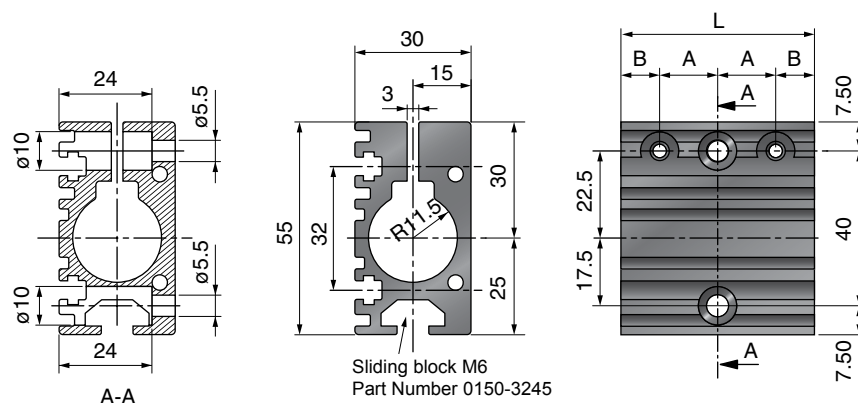


## Ordering information

| Item        | Description                         | Part Number |
|-------------|-------------------------------------|-------------|
| PF02-23x50  | Flange for Linear Motors P01-23x80  | 0150-2102   |
| PF02-23x120 | Flange for Linear Motors P01-23x160 | 0150-2103   |
| PF02-23x170 | Flange for Linear Motors P01-23x160 | 0150-2117   |
| PF02-37x100 | Flange for Linear Motors P01-37x120 | 0150-1998   |
| PF02-37x140 | Flange for Linear Motors P01-37x120 | 0150-2105   |
| PF02-37x200 | Flange for Linear Motors P01-37x240 | 0150-1999   |
| PF01-48x120 | Flange for Linear Motors P01-48x240 | 0150-1976   |
| PF01-48x226 | Flange for Linear Motors P01-48x240 | 0150-2108   |
| PF01-48x346 | Flange for Linear Motors P01-48x360 | 0150-2145   |

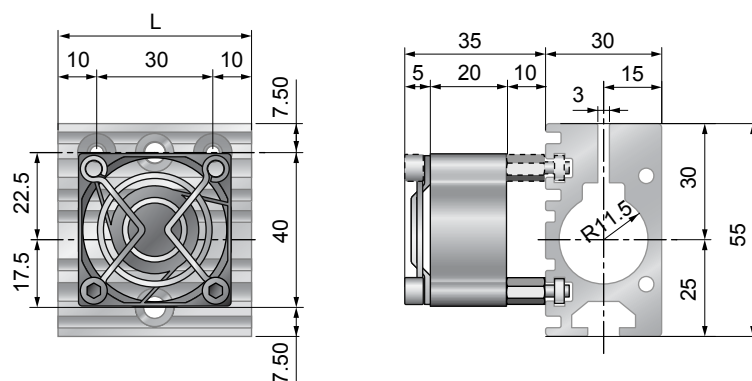
## PF02-23

Max. torque for clamp  
plate screws: 4Nm



| Item        | Description      | L [mm] | A [mm] | B [mm] | Weight [g] | Part Number |
|-------------|------------------|--------|--------|--------|------------|-------------|
| PF02-23x50  | Flange 23x50 mm  | 50     | 15     | 10     | 115        | 0150-2102   |
| PF02-23x120 | Flange 23x120 mm | 120    | 30     | 30     | 280        | 0150-2103   |
| PF02-23x170 | Flange 23x170 mm | 170    | 45     | 40     | 390        | 0150-2117   |

## Optional Fan for PF02-23

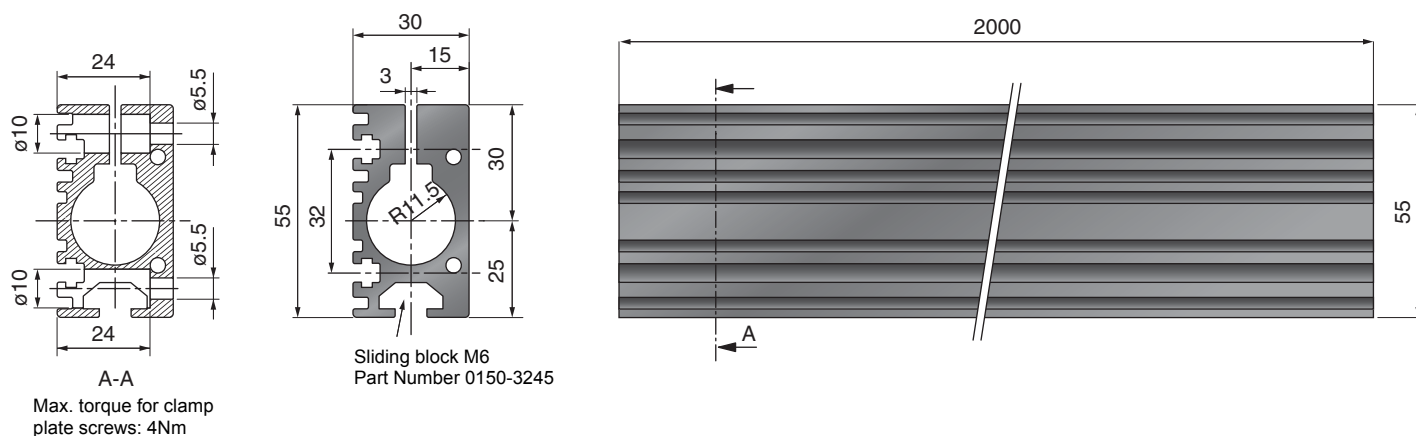


Fan supply:  
24VDC, 70mA

Air flow:  
15m³/h

| Item    | Description                    | Part Number |
|---------|--------------------------------|-------------|
| HV01-23 | Fan kit for H01-23 and PF02-23 | 0150-5050   |

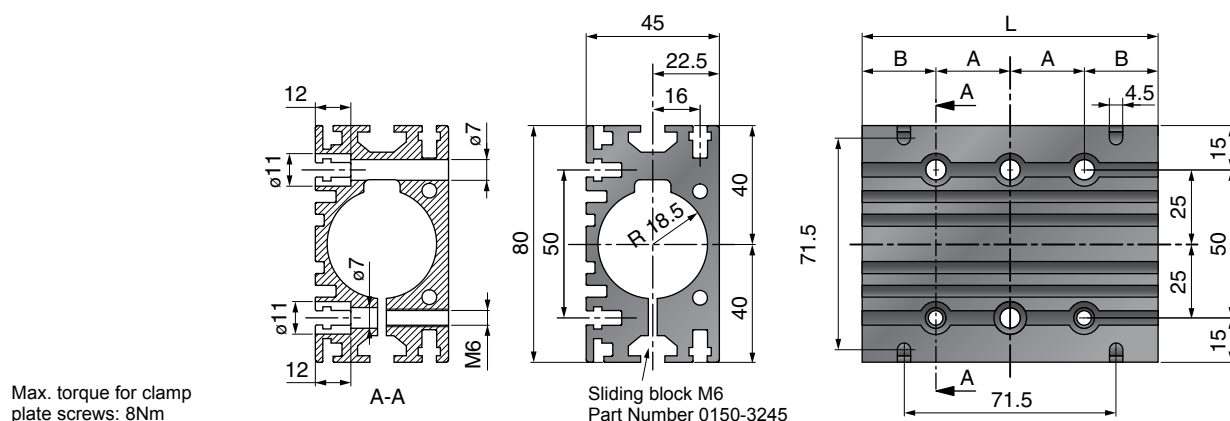
## Flange profile PF02-23 per meter



Max. torque for clamp  
plate screws: 4Nm

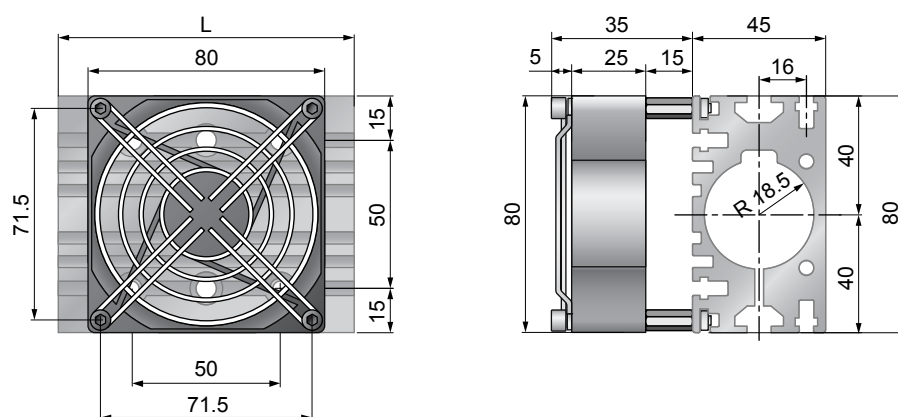
| Item                   | Description                     | Part Number |
|------------------------|---------------------------------|-------------|
| PF02-23 Flange profile | PF02-23 Flange profil per meter | 0150-2101   |

**PF02-37**



| Item        | Description      | L [mm] | A [mm] | B [mm] | Weight [g] | Part Number |
|-------------|------------------|--------|--------|--------|------------|-------------|
| PF02-37x100 | Flange 37x100 mm | 100    | 25     | 25     | 450        | 0150-1998   |
| PF02-37x140 | Flange 37x140 mm | 140    | 50     | 20     | 630        | 0150-2105   |
| PF02-37x200 | Flange 37x200 mm | 200    | 50     | 50     | 920        | 0150-1999   |

## Optional Fan for PF02-37

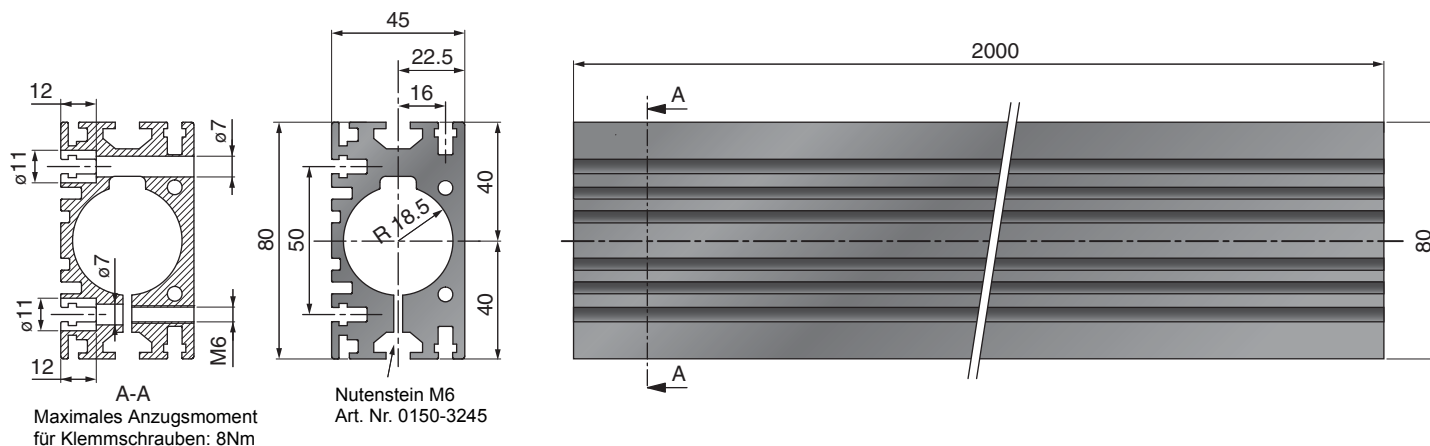


Fan supply:  
24VDC, 120mA

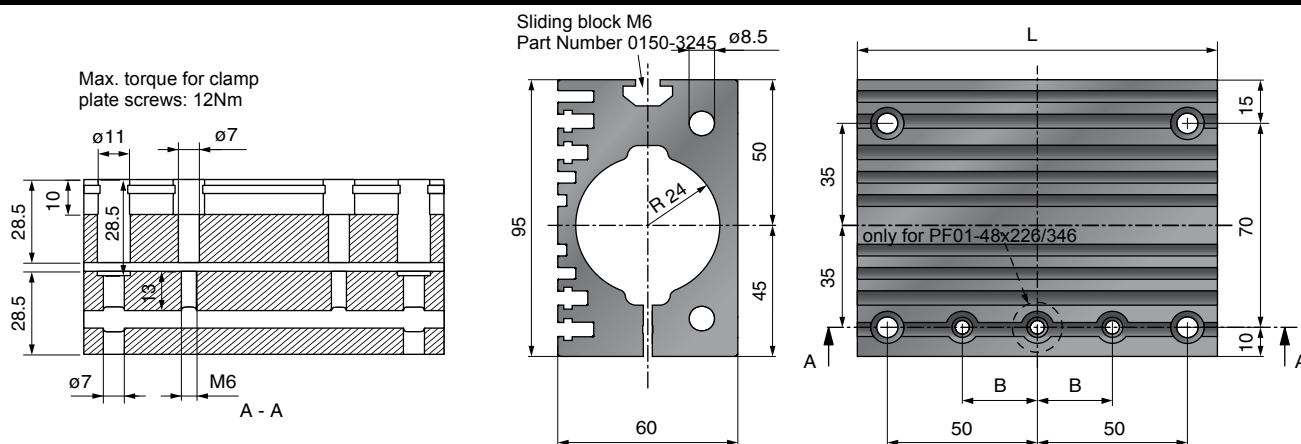
Air flow:  
80m<sup>3</sup>/h

| Item       | Description                            | Part Number |
|------------|----------------------------------------|-------------|
| HV01-37/48 | Fan kit for H01-37, B01-37 and PF02-37 | 0150-5051   |

### Flange profile PF02-37 per meter

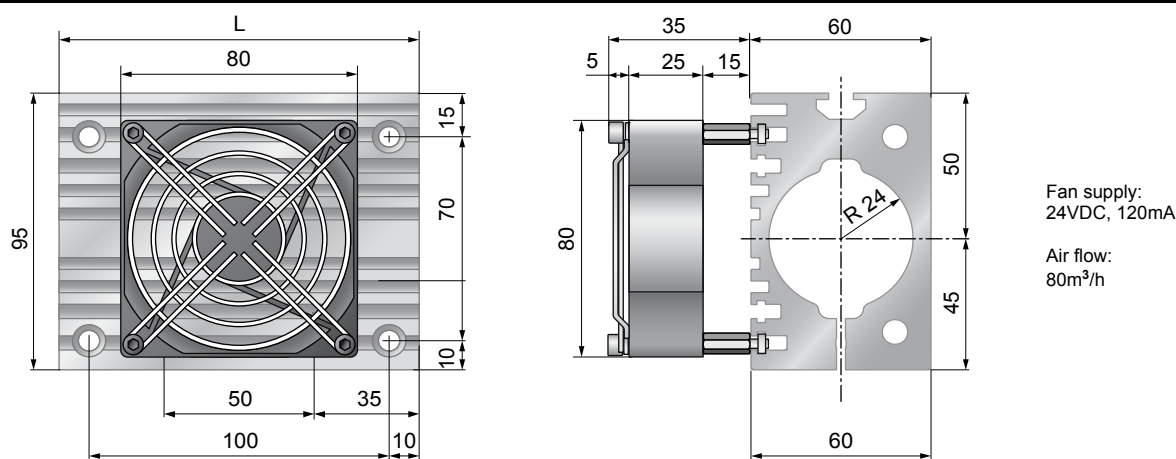


| Item                   | Description                      | Part Number |
|------------------------|----------------------------------|-------------|
| PF02-37 Flange profile | PF02-37 Flange profile per meter | 0150-1997   |

**PF01-48**

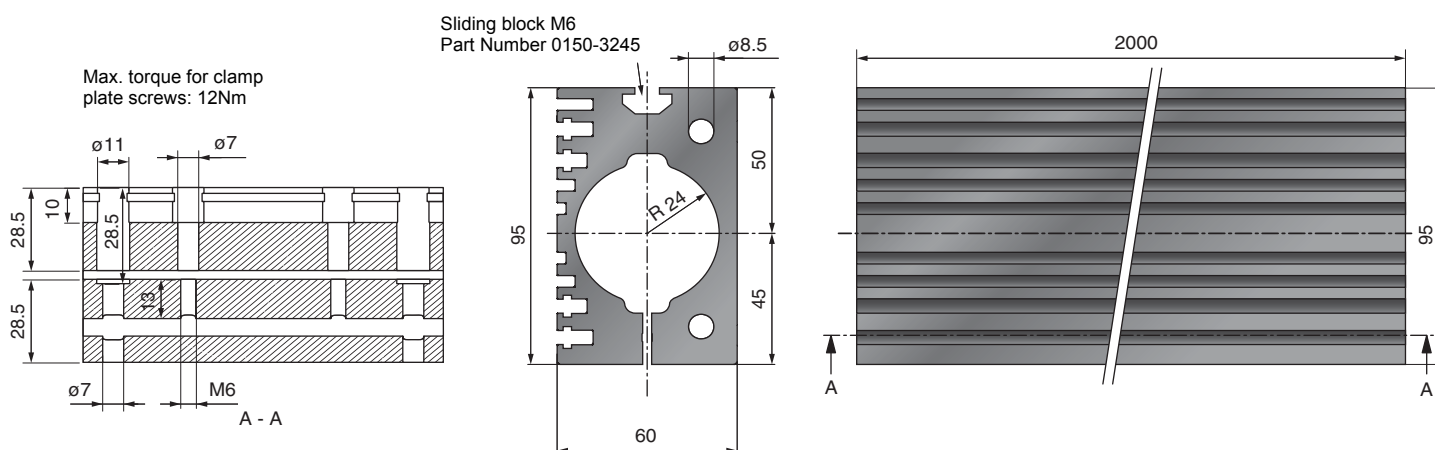
| Item        | Description      | L [mm] | B [mm]               | Weight [g] | Part Number |
|-------------|------------------|--------|----------------------|------------|-------------|
| PF01-48x120 | Flange 48x120 mm | 120    | 25                   | 970        | 0150-1976   |
| PF01-48x226 | Flange 48x226 mm | 226    | 85                   | 1850       | 0150-2108   |
| PF01-48x346 | Flange 48x346 mm | 346    | 100 (Details p. 189) | 2650       | 0150-2145   |

### Optional Fan for PF01-48



| Item       | Description                            | Part Number |
|------------|----------------------------------------|-------------|
| HV01-37/48 | Fan kit for H01-48, B01-48 and PE01-48 | 0150-5051   |

### Flange profile PF01-48 per meter



| Item                   | Description                      | Part Number |
|------------------------|----------------------------------|-------------|
| PF01-48 Flange profile | PF01-48 Flange profile per meter | 0150-2104   |

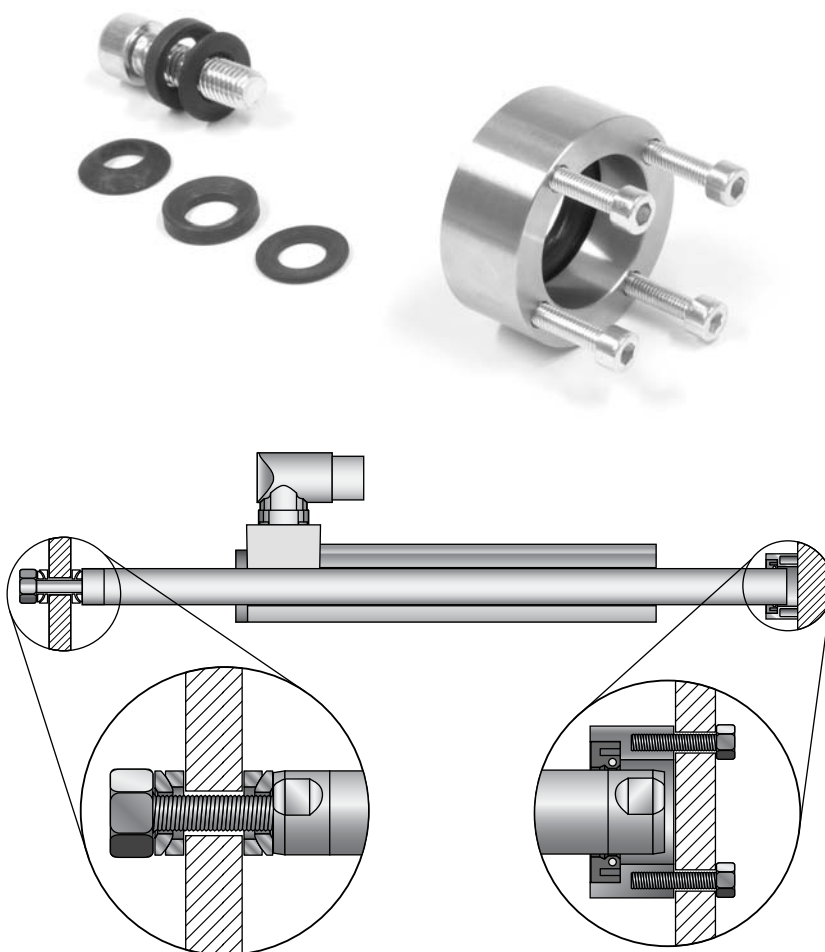


## Slider Mounts

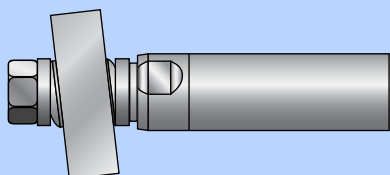
Depending on the application, LinMot linear motors can be operated with a "moving slider" or "moving stator." Applications with short stroke ranges are preferably implemented with moving sliders; applications with long strokes are better with a moving stator. In both cases, LinMot recommends the use of special mounting kits for mounting the slider, in order to avoid overdetermining the mount.

In moving slider applications, the stator is mounted, and the slider is connected to a load that is guided by a linear guide. In order to avoid alignment errors, the slider is attached to the load or guide using fixed bearings, each consisting of two rounded washers and two bevel washers.

In moving stator applications, the slider is mounted and the stator is attached to a linear guide, together with the load. In order to avoid overdetermining the slider bearing, one end of the slider is mounted on a fixed bearing, and the other on a floating bearing.

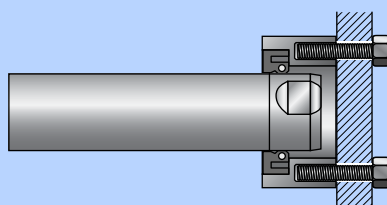


### Fixed bearing



The fixed bearing consists of two rounded washers and two bevel washers. It compensates for angular and axial deflection.

### Floating bearing



The slider is mounted in a rubber ring as a floating bearing. The floating bearing compensates for angular and axial displacement and length tolerance.

### Material



Rounded and bevel washers:  
Case-hardened steel

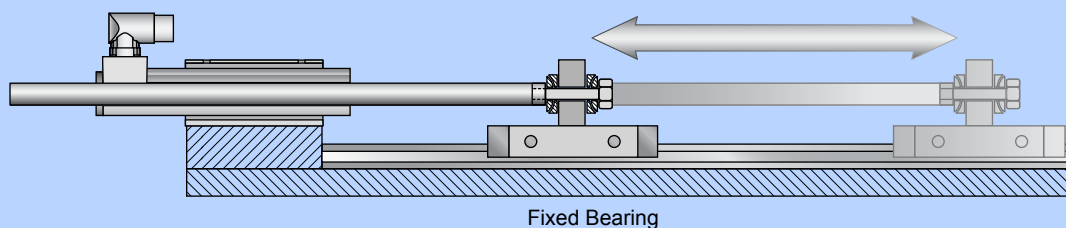


Bearing:  
NBR  
(Nitrile-Butadiene-Rubber with  
DIN17223 spring steel)

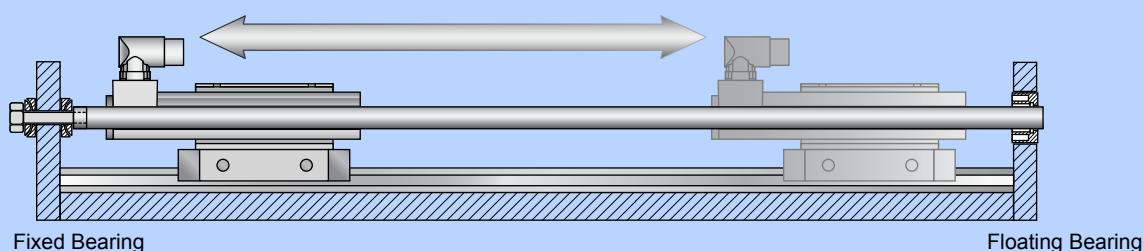


Housing:  
Stainless steel 1.4305

## Moving Slider



## Moving Stator

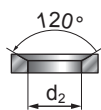


## Dimensions and ordering information

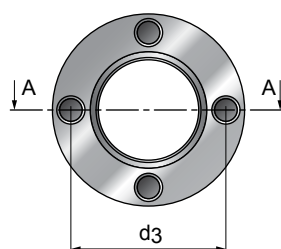
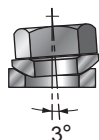
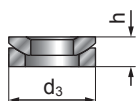
Fix Bearing



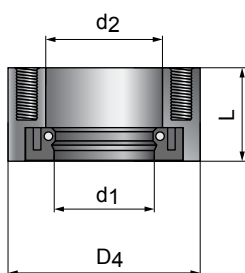
DIN 6319 C



DIN 6319 D



Floating Bearing



A-A

| Item        | Material               | Slider  | Lead | d1                 | d2                | d3                 | h                 |
|-------------|------------------------|---------|------|--------------------|-------------------|--------------------|-------------------|
| PLF01-12    | case-hardened steel    | 12mm    | M5   | 5.2mm<br>(0.20in)  | 6.0mm<br>(0.24in) | 10.5mm<br>(0.41in) | 3.2mm<br>(0.13in) |
| PLF01-12-Ni | nickel-plated steel    |         |      |                    |                   |                    |                   |
| PLF01-20    | case-hardened steel    | 19/20mm | M8   | 8.4mm<br>(0.33in)  | 9.6mm<br>(0.38in) | 17mm<br>(0.67in)   | 5.5mm<br>(0.22in) |
| PLF01-20-SS | stainless steel 1.4301 |         |      |                    |                   |                    |                   |
| PLF01-28    | case-hardened steel    | 27/28mm | M10  | 10.5mm<br>(0.41in) | 12mm<br>(0.47in)  | 21mm<br>(0.83in)   | 6.5mm<br>(0.26in) |
| PLF01-28-SS | stainless steel 1.4301 |         |      |                    |                   |                    |                   |

| Item     | Slider | Lead | d1               | d2               | d3               | D4               | L                 |
|----------|--------|------|------------------|------------------|------------------|------------------|-------------------|
| PLL02-12 | 12mm   | -    | 12mm<br>(0.47in) | rubber-ring      | -                | 22mm<br>(0.87in) | 7.0mm<br>(0.28in) |
| PLL01-19 | 19mm   | M5   | 19mm<br>(0.75in) | 23mm<br>(0.90in) | 30mm<br>(1.18in) | 37mm<br>(1.46in) | 20mm<br>(0.79in)  |
| PLL01-20 | 20mm   | M5   | 20mm<br>(0.79in) | 23mm<br>(0.90in) | 30mm<br>(1.18in) | 37mm<br>(1.46in) | 20mm<br>(0.79in)  |
| PLL01-27 | 27mm   | M5   | 27mm<br>(1.06in) | 32mm<br>(1.26in) | 40mm<br>(1.57in) | 48mm<br>(1.89in) | 20mm<br>(0.79in)  |
| PLL01-28 | 28mm   | M5   | 28mm<br>(1.10in) | 32mm<br>(1.26in) | 40mm<br>(1.57in) | 48mm<br>(1.89in) | 20mm<br>(0.79in)  |

| Item        | Description                                          | Part Number |
|-------------|------------------------------------------------------|-------------|
| PLF01-12    | Fixed End Washer set for 12mm sliders                | 0150-3085   |
| PLF01-12-Ni | Fixed End Washer set for 12mm sliders, nickel-plated | 0150-3573   |
| PLF01-20    | Fixed End Washer set for 19/20mm sliders             | 0150-3083   |
| PLF01-20-SS | Fixed End Washer set for 19/20mm sliders, SS         | 0150-3296   |
| PLF01-28    | Fixed End Washer set for 27/28mm sliders             | 0150-3087   |
| PLF01-28-SS | Fixed End Washer set for 27/28mm sliders, SS         | 0150-3297   |
| PLL02-12    | Floating bearing for PL01-12 slider                  | 0150-3111   |
| PLL01-19    | Floating bearing for PL01-19 slider                  | 0150-3335   |
| PLL01-20    | Floating bearing for PL01-20 slider                  | 0150-3084   |
| PLL01-27    | Floating bearing for PL01-27 slider                  | 0150-3294   |
| PLL01-28    | Floating bearing for PL01-28 slider                  | 0150-3094   |
| PLM01-20-MK | Mounting kit for PL01-20 slider                      | 0150-3079   |
| PLM01-28-MK | Mounting kit for PL01-28 slider                      | 0150-3095   |

## Wipers

LinMot stators can be equipped with wipers as an option. Wipers increase the duration of the maintenance interval, and allow simple re-lubrication using the integrated lube nipple and a grease gun. The wipers also keep the slider free of grease or contaminants, and protect the stator from dirt.



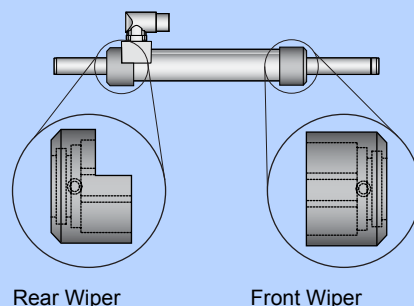
### Installation

LinMot stators can be equipped with wipers as an option.

Wipers increase the duration of the maintenance interval, and allow simple re-lubrication using the integrated lube nipple and a grease gun.

The wipers also keep the slider free of grease or contaminants, and protect the stator from dirt.

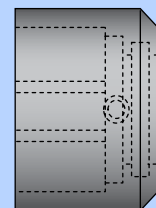
### Wipers



Rear Wiper

Front Wiper

### Material

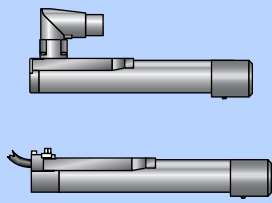


Housing: POM

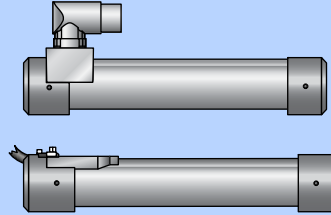


Wipers: H-PU

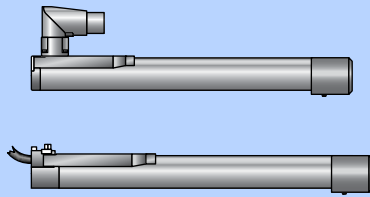
## Available Wipers



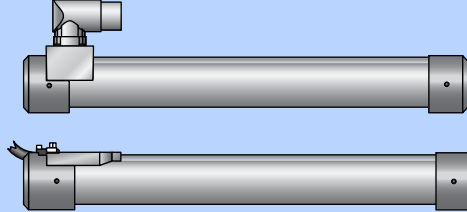
P01-23x80



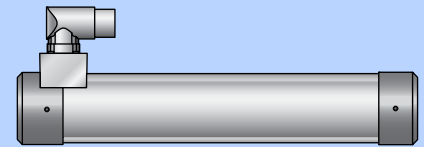
P01-37x120



P01-23x160

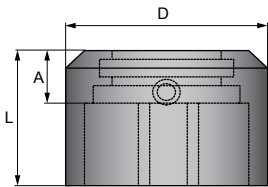


P01-37x240

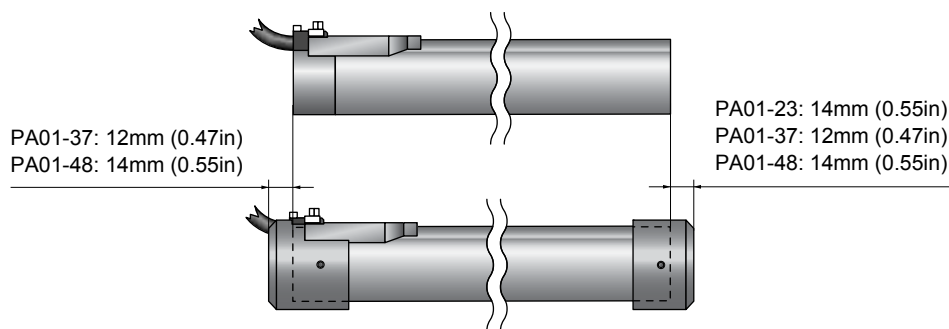


P01-48x240

## Dimensions and ordering information



| Item           | D             | L               | A             | Weight  |
|----------------|---------------|-----------------|---------------|---------|
| PA01-23        | 29mm (1.14in) | 33mm (1.30in)   | 14mm (0.55in) | 0.014kg |
| PA01-37        | 45mm (1.77in) | 32mm (1.26in)   | 12mm (0.47in) | 0.028kg |
| PA01-37R       | 45mm (1.77in) | 37mm (1.45in)   | 12mm (0.47in) | 0.026kg |
| PA01-37R Kabel | 45mm (1.77in) | 40mm (1.57in)   | 12mm (0.47in) | 0.030kg |
| PA01-48        | 58mm (2.28in) | 32mm (1.26in)   | 14mm (0.55in) | 0.056kg |
| PA01-48R       | 58mm (2.28in) | 38.5mm (1.52in) | 14mm (0.55in) | 0.050kg |



| Item               | Description                                                         | Part Number |
|--------------------|---------------------------------------------------------------------|-------------|
| PA01-23/12-F       | Wiper for PS01-23x... (front wiper)                                 | 0150-3125   |
| PA01-37/19-F       | Wiper for PS01-37x... (front wiper for high clearance sliders)      | 0150-3225   |
| PA01-37/19-R       | Wiper for PS01-37x...(-C rear wiper for high clearance sliders)     | 0150-3226   |
| PA01-37/19-R cable | Wiper for PS01-37x... (cable rear wiper for high clearance sliders) | 0150-3227   |
| PA01-37/20-F       | Wiper for PS01-37x... (front wiper)                                 | 0150-3126   |
| PA01-37/20-R       | Wiper for PS01-37x...(-C rear wiper)                                | 0150-3201   |
| PA01-37/20-R cable | Wiper for PS01-37x...(-cable rear wiper)                            | 0150-3221   |
| PA01-48/27-F       | Wiper for PS01-48x... (front wiper for high clearance sliders)      | 0150-3228   |
| PA01-48/27-R       | Wiper for PS01-48x...(-C rear wiper for high clearance sliders)     | 0150-3229   |
| PA01-48/28-F       | Wiper for PS01-48x... (front wiper)                                 | 0150-3127   |
| PA01-48/28-R       | Wiper for PS01-48x...(-C rear wiper)                                | 0150-3202   |

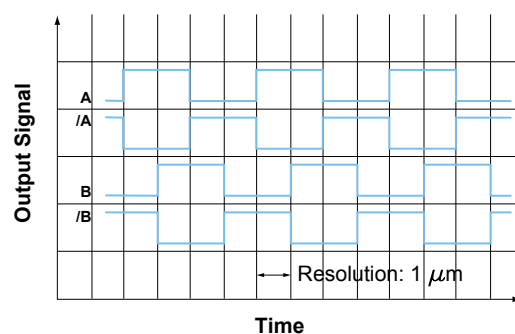
## External Position Sensor MS01/D

Non-contacting measuring position sensors, using magnets with integrated processing electronics and differential encoder outputs for the E1100 series Servo Drives.

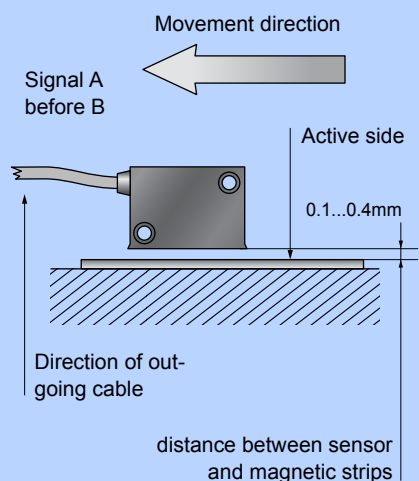
Together with the MB01-1000 magnetic band, the MS01/D position sensor is part of a high-resolution, robust, linear measurement system.

### Features:

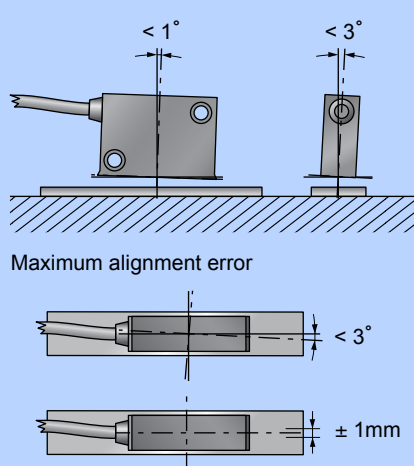
- Simple installation, by sticking on the magnetic band
- IP67 protection class, not sensitive to dust, moisture, or dirt
- Status display with LEDs directly at the sensor head
- Highest precision - Resolution 0.001mm  
- System accuracy  $\pm 0.01\text{mm}$ .
- Allows high travel speeds of up to 3 m/s
- Compatible with the E1100 series of LinMot Servo Drives.



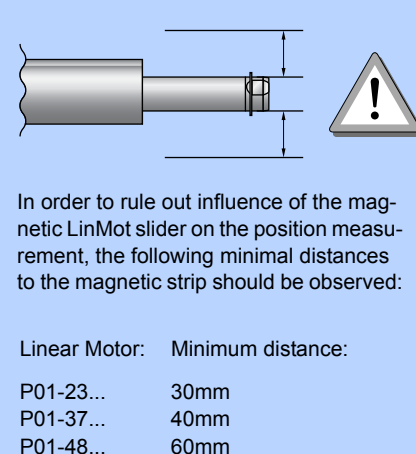
### Counting direction



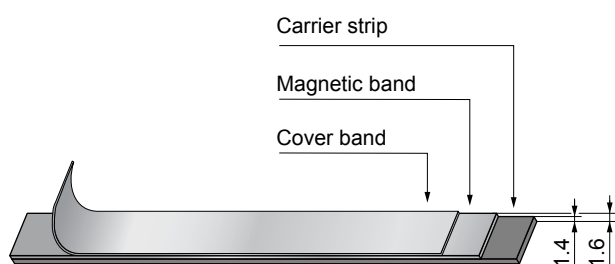
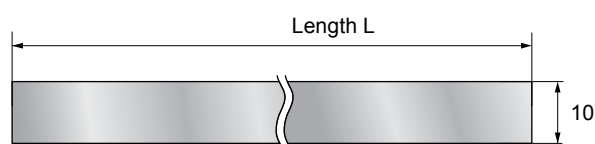
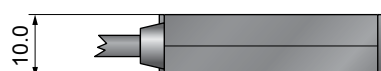
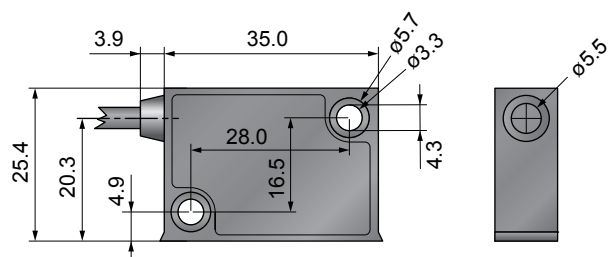
### Installation



### Minimum distance from slider



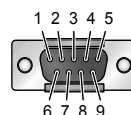
## Dimensions



### Cables

|                |                    |
|----------------|--------------------|
| Cable length   | 2m, High Flex, PUR |
| Connector type | Dsub-9 (male)      |

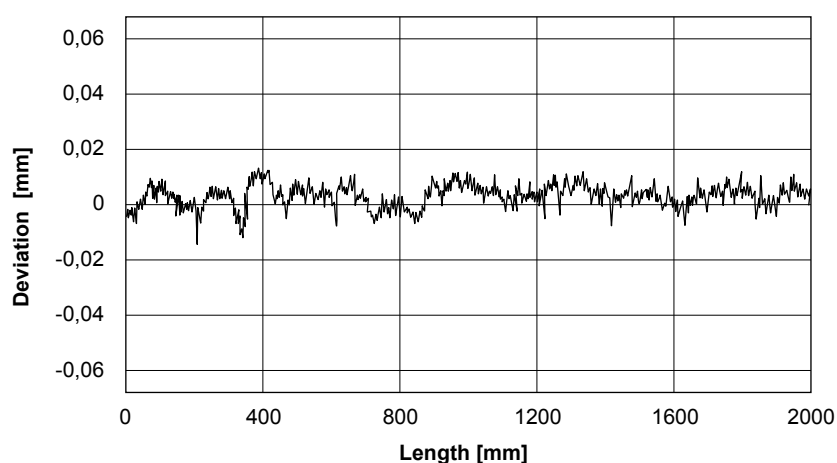
### Connector wiring



|             |            |
|-------------|------------|
| Pin 1       | +5VDC      |
| Pin 2       | Channel /A |
| Pin 3       | Channel /B |
| Pin 5       | GND        |
| Pin 6       | Channel A  |
| Pin 7       | Channel B  |
| Pin 4, 8, 9 | n.c.       |

### Technical data magnetic band

|                           |                                              |
|---------------------------|----------------------------------------------|
| Order length              | maximal stroke +3.0cm                        |
| Width                     | 10mm                                         |
| Carrier material          | spring steel band                            |
| Precision class           | $\pm 10 \mu\text{m/m}$                       |
| Temperature coefficient   | $(11 \pm 1) \times 10^{-6} / ^\circ\text{K}$ |
| Storage temperature range | -20...70°C                                   |
| Storage temperature range | -40...70°C                                   |
| Protection class          | IP 67                                        |
| Mounting                  | self adhesive magnetic band                  |



## Ordering information

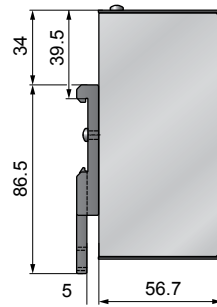
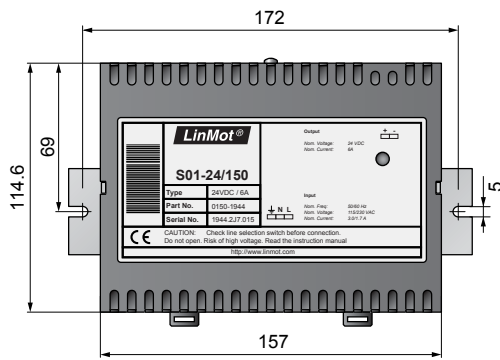
| Item                | Description                                    | Part Number |
|---------------------|------------------------------------------------|-------------|
| MS01-1/D            | Magnet sensor 1μm, A/B (for 1mm magnetic band) | 0150-1840   |
| MB01-1000           | Magnetic band, 1mm pole partitioning (per cm)  | 0150-1963   |
| KS025-D/D-Encoder   | Encoder Cable, High Flex (Length in m)         | 0150-3166   |
| KS025-D/D15-Encoder | Encoder Cable, High Flex (Length in m)         | 0150-3168   |

## Switched-Mode Power Supplies

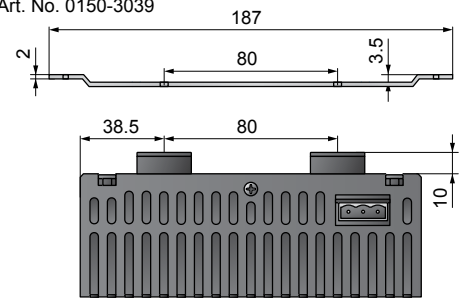


| Switched-Mode Power Supplies       |          |                                                                                                           |       |         |       |       |         |      |
|------------------------------------|----------|-----------------------------------------------------------------------------------------------------------|-------|---------|-------|-------|---------|------|
| Output voltage                     |          | 24V                                                                                                       |       | 48V     |       |       | 72V     |      |
| Output power                       |          | 150W                                                                                                      | 300 W | 150 W   | 300 W | 600 W | 300W    | 600W |
| Input Specification                |          |                                                                                                           |       |         |       |       |         |      |
| Input voltage range                | [VAC]    | 93...123 / 187...264                                                                                      |       |         |       |       |         |      |
| Input frequency                    | [Hz]     | 47...63                                                                                                   |       |         |       |       |         |      |
| Input current at full load (230V)  | [A]      | 1.6                                                                                                       | 2.9   | 1.6     | 2.9   | 5.0   | 2.9     | 5.0  |
| Input current at full load (115V)  | [A]      | 2.7                                                                                                       | 4.9   | 2.7     | 4.9   | 7.0   | 4.9     | 7.0  |
| Maximum Inrush current (230V)      | [A]      | 70                                                                                                        | 70    | 70      | 70    | 80    | 70      | 80   |
| Internal fuse                      | [AT]     | 4                                                                                                         | 6.3   | 4       | 6.3   | 12    | 6.3     | 12   |
| Output Specification               |          |                                                                                                           |       |         |       |       |         |      |
| Output voltage range               | [VDC]    | 24...28                                                                                                   |       | 48...52 |       |       | 72...76 |      |
| Output current                     | [ADC]    | 6                                                                                                         | 12    | 3       | 6     | 12    | 4       | 8    |
| Hold up time at full load          | [ms]     | 30                                                                                                        |       |         |       |       |         |      |
| Over voltage protection            | [% Uout] | 140                                                                                                       |       |         |       |       |         |      |
| General Specification              |          |                                                                                                           |       |         |       |       |         |      |
| Operating temperature range        |          | -25°C...70°C                                                                                              |       |         |       |       |         |      |
| Power reduction above 50°C         |          | 2% / °C                                                                                                   |       |         |       |       |         |      |
| Storage temperature                |          | -25°C...85°C                                                                                              |       |         |       |       |         |      |
| Humidity                           |          | 95% rel. H max.                                                                                           |       |         |       |       |         |      |
| Switching frequency                |          | 67kHz typ.                                                                                                |       |         |       |       |         |      |
| Efficiency                         |          | >85%                                                                                                      |       |         |       |       |         |      |
| Output voltage indicator           |          | LED                                                                                                       |       |         |       |       |         |      |
| Isolation input - output           |          | 3'000 VAC (1 minute)                                                                                      |       |         |       |       |         |      |
| Isolation input - case             |          | 2'000 VAC (1 minute)                                                                                      |       |         |       |       |         |      |
| Isolation output - case            |          | 500 VAC (1 minute)                                                                                        |       |         |       |       |         |      |
| Safety class (IEC 536)             |          | Class 1                                                                                                   |       |         |       |       |         |      |
| Safety standards meets             |          | IEC950<br>EN60950<br>CEs for SELV                                                                         |       |         |       |       |         |      |
| Conducted EMI according to         |          | EN55022 Class B<br>EN55011 Class B<br>FCC-B                                                               |       |         |       |       |         |      |
| Electromagnetic susceptibility EMC |          | EN61000-4-2 4kV / 8kV<br>EN61000-4-3 10V / m<br>EN61000-4-4 2kV<br>EN61000-4-6 10V<br>EN61000-4-8 30A / m |       |         |       |       |         |      |
| Case / Protection class            |          | Steel / IP20                                                                                              |       |         |       |       |         |      |
| Mounting                           |          | DIN rail TS35, EN50022                                                                                    |       |         |       |       |         |      |

## 150 W



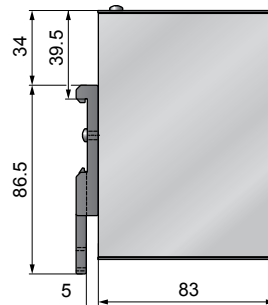
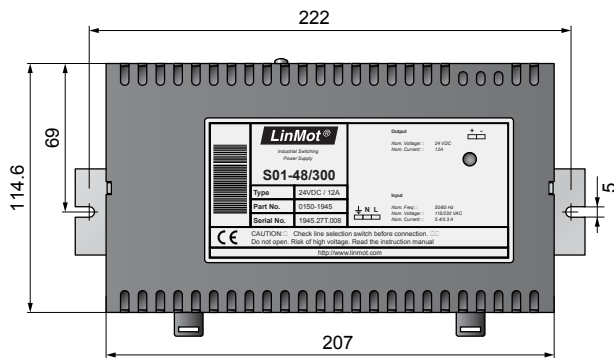
Option: Art. No. 0150-3039



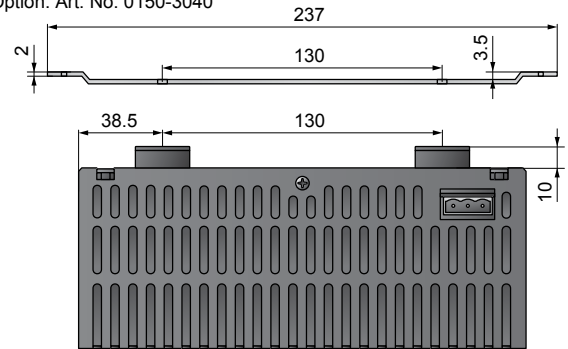
Weight: 800g

| Item       | Description                                       | Part Number |
|------------|---------------------------------------------------|-------------|
| S01-24/150 | Switched-Mode Power Supply 24V/150W               | 0150-1944   |
| S01-48/150 | Switched-Mode Power Supply 48V/150W for E100/E200 | 0150-1940   |

## 300 W



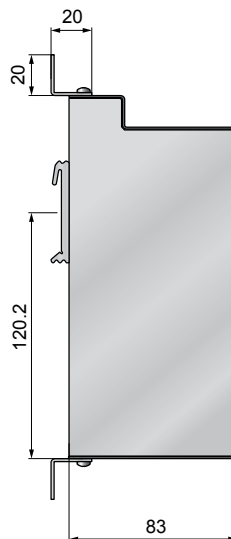
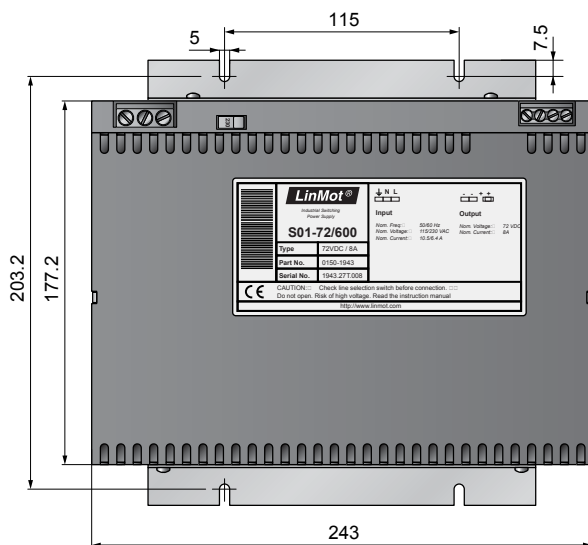
Option: Art. No. 0150-3040



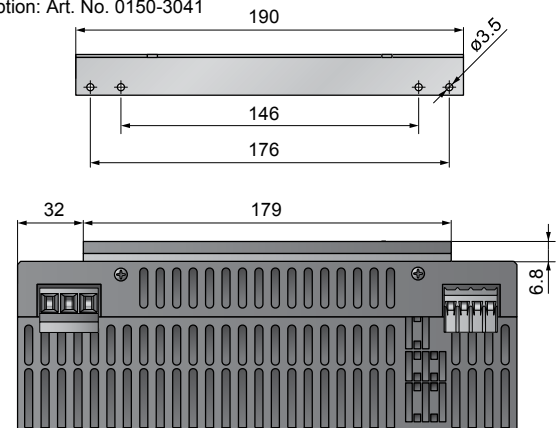
Weight: 1400g

| Item       | Description                                              | Part Number |
|------------|----------------------------------------------------------|-------------|
| S01-24/300 | Switched-Mode Power Supply 24V/300W                      | 0150-1945   |
| S01-48/300 | Switched-Mode Power Supply 48V/300W for E400             | 0150-1941   |
| S01-72/300 | Switched-Mode Power Supply 72V/300W for E1001/E2001E4001 | 0150-1942   |

## 600 W



Option: Art. No. 0150-3041



Weight: 2000g

Dimensions in mm

| Item       | Description                                   | Part Number |
|------------|-----------------------------------------------|-------------|
| S01-48/600 | Switched-Mode Power Supply 48V/600W           | 0150-1946   |
| S01-72/600 | Switched-Mode Power Supply 72V/600W for E4001 | 0150-1943   |

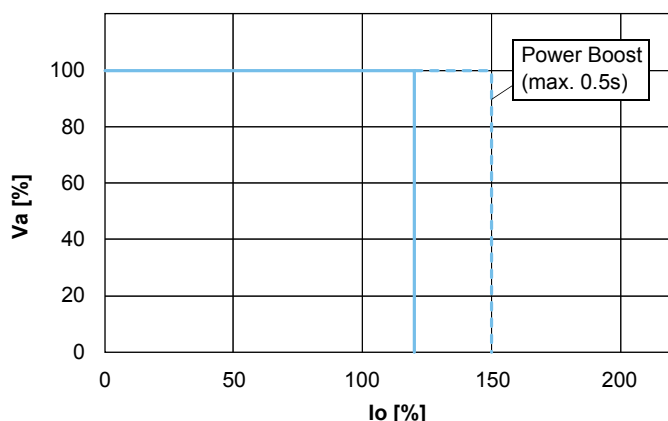
## Switched-Mode Power Supplies 72V



| Power Supplies             | S01-72/500                                                                                                                                                      | S01-72/1000                                                                                                                                                                                              |
|----------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Input                      |                                                                                                                                                                 |                                                                                                                                                                                                          |
| Input voltage range        | 93...123VAC / 187...264VAC automatic switchover                                                                                                                 | AC 3 x 340...550V                                                                                                                                                                                        |
| Power frequency            | 50...60Hz                                                                                                                                                       | 50...60Hz                                                                                                                                                                                                |
| Efficiency                 | typ. 88%                                                                                                                                                        | typ. 91.5%                                                                                                                                                                                               |
| Input current limitation   | =< 70A <sub>peak</sub> typ. cold, =< 150A <sub>peak</sub> hot                                                                                                   | < 35A <sub>peak</sub> typ. in cold state, < 70A <sub>peak</sub> in hot state                                                                                                                             |
| Internal fuse              | 16ATH/250VAC                                                                                                                                                    | 3x6.3A                                                                                                                                                                                                   |
| External fuse              |                                                                                                                                                                 | intern 3 x 6.3AT, external fuse with 16A to max. 32A necessary (C,D,K)                                                                                                                                   |
| Output                     |                                                                                                                                                                 |                                                                                                                                                                                                          |
| Preset range Vo            | 54 - 80VDC, factory setting: 72VDC ± 0.5%                                                                                                                       | 56 - 80VDC, factory setting: 72VDC ± 0,15/0,2V                                                                                                                                                           |
| Max. Output power          | 480W                                                                                                                                                            | 1000W                                                                                                                                                                                                    |
| Powerboost                 | max. 150% (see chart)                                                                                                                                           | max. 190-210% (see chart)                                                                                                                                                                                |
| Start-up delay             | < 1,5s (bei 230VAC)                                                                                                                                             | 250 ms typ.                                                                                                                                                                                              |
| Rise time                  | 40 / 50 / 80ms typ.                                                                                                                                             | 20ms typ., 155ms typ. at 50.000 I <sub>F</sub> load                                                                                                                                                      |
| Back feeding voltage       | up to 100VDC                                                                                                                                                    | up to 100VDC                                                                                                                                                                                             |
| Parallel connection        | yes (max. 3 identical power supplies)                                                                                                                           | yes (max. 3 identical power supplies)                                                                                                                                                                    |
| Regulation                 |                                                                                                                                                                 |                                                                                                                                                                                                          |
| Line regulation            | < 0.2% for Vo at Vi <sub>min</sub> - Vi <sub>max</sub>                                                                                                          | < 0.3% for Vi <sub>min</sub> - Vi <sub>max</sub>                                                                                                                                                         |
| Load regulation            | < 0.5% for Vo at Io 0 - 100% Boost-M.<br>< 3.0% for Vo at Io 0 - 100% Parallel-M.                                                                               | < 0.5% for Vo at Io 0 - 100% single operation<br>< 3% for Vo at Io 0 - 100% parallel operation                                                                                                           |
| Response time              | typ. 1ms at Io 20 - 80%                                                                                                                                         | 1 ms typ. at Io 20 - 80%                                                                                                                                                                                 |
| Protection and Controlling |                                                                                                                                                                 |                                                                                                                                                                                                          |
| Overtemperature protection | Switches off if inside temperature becomes to high, reconnection with hysteresis                                                                                | Switches off if inside temperature becomes to high, reconnection with hysteresis                                                                                                                         |
| Safety/Standards           | IEC 60950 / EN 60950 / VDE 0805<br>IP20, safety class 1, pollution degree 2<br>UL508/UL60950                                                                    | EN 60950 / VDE 0805 / VDE 113 safety class I / VDE 0100 / IP20 CSA-C22.2 No 107 / CSA-C22.2 No. 60950-1-03 UL Std. 60950-1 / UL Std. 508<br>(Operation in Delta mains only for UL508) pollution degree 2 |
| EMC                        |                                                                                                                                                                 |                                                                                                                                                                                                          |
| Mains feedback / PFC       | EN 61000-3-2 Class A only with ext. PFC<br>12mH/4,5A/230VAC                                                                                                     |                                                                                                                                                                                                          |
| Interference immunity      | EN 61000-6-2 / EN 61000-4-2 / EN 61000-4-3                                                                                                                      | EN 61000-6-2 / EN61204-3                                                                                                                                                                                 |
| Flicker                    | EN 61000-3-3                                                                                                                                                    | EN 61000-3-3                                                                                                                                                                                             |
| ESD                        | EN 61000-4-2 8/15KV                                                                                                                                             | EN 61000-4-2 8/15 kV                                                                                                                                                                                     |
| Electrical fields          | EN 61000-4-3 noise level 10V/m (Krit. A)                                                                                                                        | EN 61000-4-3 noise level 10V/m                                                                                                                                                                           |
| Burst                      | EN 61000-4-4 4KV (Krit.A)                                                                                                                                       | input: EN 61000-4-4 4 kV<br>Ausgang: EN 61000-4-4 2 kV                                                                                                                                                   |
| Surge                      | EN 61000-4-5 4/2KV (Krit.A)                                                                                                                                     | input: EN 61000-4-5 2/4 kV<br>output: EN 61000-4-5 0,5 kV                                                                                                                                                |
| HF Immunity                | EN 61000-4-6 noise level 10V (Krit.A)                                                                                                                           | EN 61000-4-6 noise level 10V                                                                                                                                                                             |
| Voltage drop               | EN 61000-4-11                                                                                                                                                   | EN 61000-4-11                                                                                                                                                                                            |
| Interference emission      | EN 61000-6-4<br>EN 55011 Klasse B, Radiation depends on assembly                                                                                                | EN 61000-6-3 / EN61204-3<br>EN 55022 / EN 55011 class B, Radiation depends on assembly                                                                                                                   |
| Operating Data             |                                                                                                                                                                 |                                                                                                                                                                                                          |
| Temperature range          | -25°C...70°C<br>integral, temperature controlled fan, air intake bottom-up                                                                                      | -25...+70°C<br>integral, temperature controlled fan, air intake bottom-up                                                                                                                                |
| Derating                   | 3% / K at +60°C (see chart)                                                                                                                                     | 2% / K at +60°C                                                                                                                                                                                          |
| Weight                     | 1.0kg                                                                                                                                                           | 2.0 kg                                                                                                                                                                                                   |
|                            | Operation in any assembly position possible. The distance between the surrounding components and the air admission and air exit holes should be at least 20 mm. | Operation in any assembly position possible. The distance between the surrounding components and the air admission and air exit holes should be at least 50 mm                                           |
| Mechanics                  |                                                                                                                                                                 |                                                                                                                                                                                                          |
| Assembly                   | All systems can be snapped onto a symmetrical 35mm DIN-rail                                                                                                     | The power supply can be directly screwed onto the wall.                                                                                                                                                  |

Current limiting characteristics (typ.)

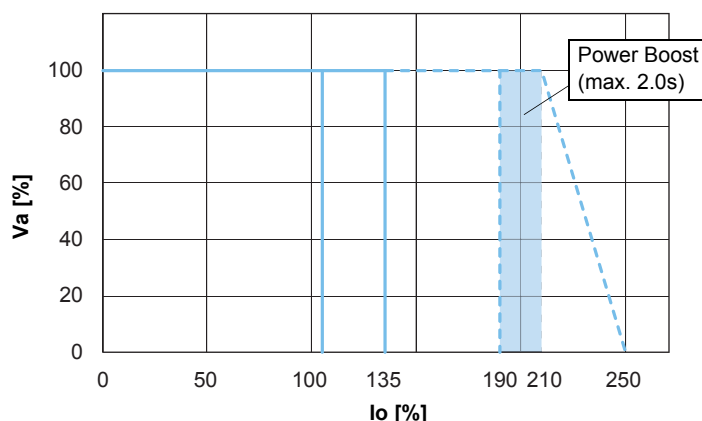
S01-72/500



Boost 500ms up to 150% $I_{nom}$  possible, after that min. 500ms break necessary

Current limiting characteristics (typ.)

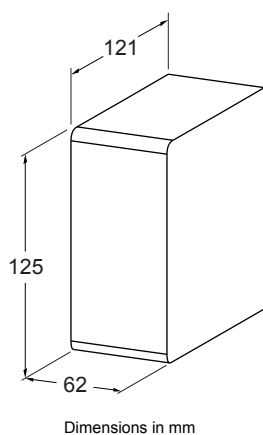
S01-72/1000



no boostbreak necessary, but the boosttime in the last 4s mustn't be longer a 2s, otherwise a boostbreak 1min is necessary (boostbreak <25ms will be not recognized)

Dimensions

S01-72/500

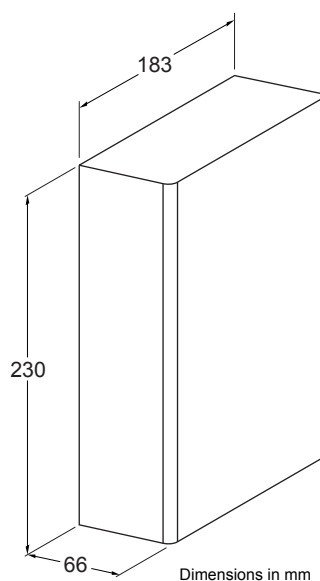


Dimensions in mm

Operation in any assembly position possible. The distance between the surrounding components and the air admission and air exit holes should be at least 20 mm. Please ensure that exhaust air is not immediately sucked in again.

Dimensions

S01-72/1000



Dimensions in mm

Operation in any assembly position possible. The distance between the surrounding components and the air admission and air exit holes should be at least 50 mm. Please ensure that exhaust air is not immediately sucked in again.

## Bestellinformationen

| Artikel     | Beschreibung                         | Artikelnummer |
|-------------|--------------------------------------|---------------|
| S01-72/500  | Switched-Mode Power Supply 72V/500W  | 0150-1874     |
| S01-72/1000 | Switched-Mode Power Supply 72V/1000W | 0150-1872     |

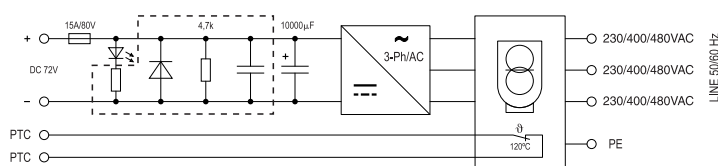
## Transformer Supplies

Type T01 in modern industrial design, meets national, and international upcoming regulations. It was designed bearing following aspects in mind:

- ✓ 3 power classes:  
420VA  
900VA  
1500VA
- ✓ 3 input voltage versions:  
3x230VAC  
3x400VAC  
3x480VAC
- ✓ optimal layout to reduce surface area
- ✓ simple mounting via open-ended slot
- ✓ compact construction and low weight



T01-...-Multi



Use T01 only as Motor supplies for LinMot Servo Drives series E1100/B1100 and E1001. Do not use T01 supplies with series E100 or series E1000 Servo Drives!

### Technical Data

3-Phase Transformer Supply with integrated rectifier bridge, LGD, PTC, DC-Link buffer capacitor and Output Fuse, output ripple 2%.

Test Voltage between Primary and Secondary Winding 4467V, 50Hz.

Maximum Power Dissipation:  
45W(420VA)  
75W(900VA)  
110W(1500VA)

Suitable for Installation up to protection rating IP 20, insulation class E, max. ambient temperature 40°C.

### Input and Output Voltage

#### Input:

T01-...-Multi 3x230/400/480 VAC, 50/60Hz

External Fuse: 2AT(420VA), 4AT(900VA), 8AT(1500VA)

#### Output:

T01-72/420 72 VDC, 5.8A (100%DC), 10A (35%DC), 15A (15%DC)

T01-72/900 72 VDC, 12A (100%DC), 20A (35%DC), 30A (15%DC)

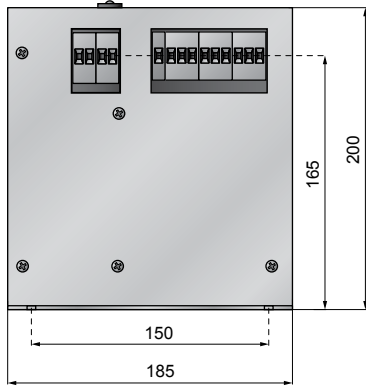
T01-72/1500 72 VDC, 20A (100%DC), 33A (35%DC), 50A (15%DC)

### Single Phase Transformer Supply

The T01-72/420-1ph is a single phase version with 208/220/230/240VAC 50/60Hz input voltage and 420VA output power.

The mechanical dimensions of the T01-72/420-1ph are the same as the three phase transformer supply with 900VA output power.

## 420 VA



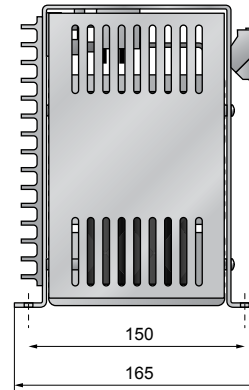
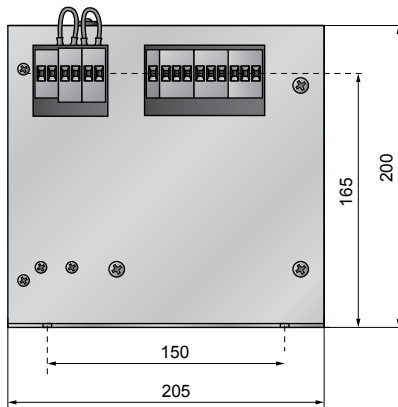
Weight: 6.6kg

Dimensions in mm

| Item             | Description                                              | Part Number |
|------------------|----------------------------------------------------------|-------------|
| T01-72/420-Multi | Transformer Supply 3x230/400/480 VAC, 50/60Hz, 420VA     | 0150-1869   |
| T01-72/420-1ph   | Transformer Supply 1x208/220/230/240VAC, 50/60Hz, 420VA* | 0150-1859   |

\*Dimensions see 900VA-Supply

## 900 VA

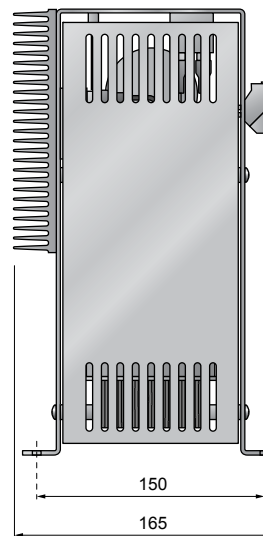
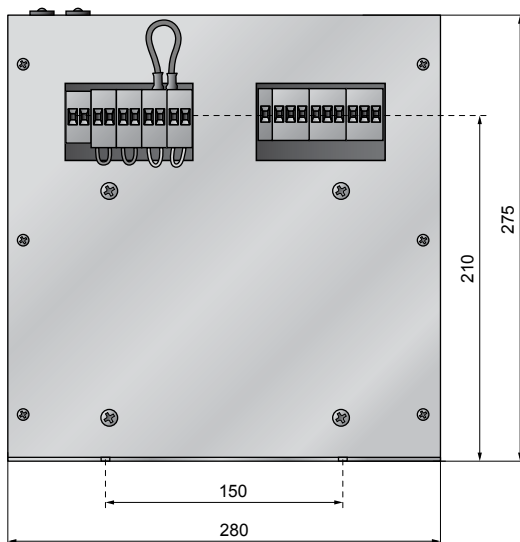


Weight: 10.6kg

Dimensions in mm

| Item             | Description                                          | Part Number |
|------------------|------------------------------------------------------|-------------|
| T01-72/900-Multi | Transformer Supply 3x230/400/480 VAC, 50/60Hz, 900VA | 0150-1870   |

## 1500 VA



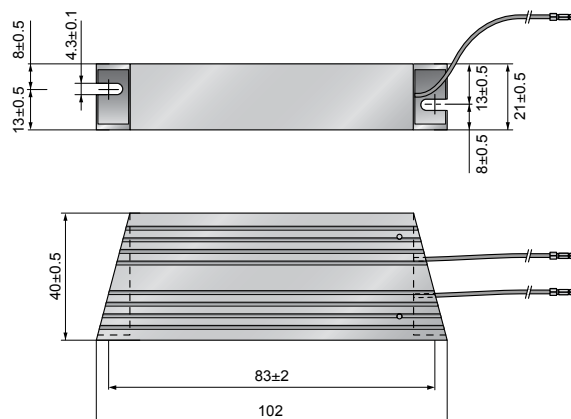
Weight: 17kg

Dimensions in mm

| Item              | Description                                           | Part Number |
|-------------------|-------------------------------------------------------|-------------|
| T01-72/1500-Multi | Transformer Supply 3x230/400/480 VAC, 50/60Hz, 1500VA | 0150-1871   |

## Regeneration Resistor

The brake resistor is high-amperage and has a very high electric strength. It also features high pulse inhibition. Its compact form factor and the design of the connection elements make it easier to attach and install the resistor elements. Complete encapsulation provides protection from dirt and accidental contact with the high-voltage components.



## Connector Cable and Converter

Pre-assembled RS232 cable and USB converters for the connection between drive and PC for drive configuration with LinMot Talk.

RJ45 patch cable for fast CAN, RS485 and master encoder wiring on E1100 Servo Drive connectors X7/8 and X10/11.



| Item       | Description                         | Part Number |
|------------|-------------------------------------|-------------|
| RR01-10/60 | Regeneration Resistor 60W for E1100 | 0150-3088   |

| Item                        | Description                     | Part Number |
|-----------------------------|---------------------------------|-------------|
| RS232 PC config. cabel 2m   | for E100/E1001                  | 0150-3009   |
| RS232 PC config. cabel 2m   | for E100/E1001/E1100/B1100      | 0150-3307   |
| RS232 PC config. cabel 2.5m | for E1200/E1400                 | 0150-2143   |
| USB-Serial Converter        | USB to 9-pin Serial Converter   | 0150-3110   |
| USB-CAN Converter           | USB to CAN Converter for E1100  | 0150-3134   |
| RJ45-08/0.3                 | RJ45 patch cable 0.3m for E1100 | 0150-1852   |
| RJ45-08/0.6                 | RJ45 crossover patch cable 0.6m | 0150-1853   |
| RJ45/RJ45-0,2-ML1           | MC-Link cable 0,2m              | 0150-3308   |

### Configuration Interface

Servo Drive series E100/E1001 use the RS232 interface for configuration. If the RS232 interface is used for communication with the overlaid control, configuration and debugging may be done over the RS485 Interface.

Servo Drive series E1100 may be configured over RS232 or CAN Interface. Configuration over CAN bus permits multi axes configuration. The CAN bus is also used for configuration and debugging if the serial interface RS232/RS485 is occupied by the communication to the overlaid control.

### USB-RS232 Converter

As many new PC's and Laptops do not have an RS232 interface any more and many available USB-RS232 converters are giving comatibility problems, LinMot has it's own converter. The necessary drivers are installed automatically together with the LinMot Talk software.

The USB-RS232 converter may be used for drive configuration on the series E100/E1001 and series E1100 drives with a PC's without RS232 interface.

### USB-CAN Converter

The USB-CAN converter is used with the series E1100 drives for multi axes configuration or configuration, debugging an optimization if the serial interface RS232 or RS485 is used for communication with the overlaid control.

Control Box B01-4  
for E100/1000  
Drive



Control Box  
B01-E1100 for  
E1100 Drive



## Control Box

The B01-4 Control Box allows the user to start up the LinMot system quickly. The box is used with the AT and MT Servo Drives. It allows manual setting of control signals for the Servo Drive, using a potentiometer and buttons, and is primarily intended for testing.

The B01-1100 Control Box allows the user to start up the LinMot an E1100 system quickly. It allows manual setting of control signals for the Servo Drive and is primarily intended for startup and testing.

| Item              | Description                               | Part Number |
|-------------------|-------------------------------------------|-------------|
| B01-4 230V / 50HZ | Control Box for E100/E1001 Drive (230VAC) | 0150-1930   |
| B01-4 115V / 60HZ | Control Box for E100/E1001 Drive (115VAC) | 0150-1931   |
| B01-E1100         | Control Box for E1100 Drive               | 0150-1970   |
| B01-B1100         | Control Box for B1100 Drive               | 0150-2110   |

### Control Box

The Control Boxes provide the following functionalities:

- Starting and stopping program sequences
- Initialization
- Analog position targets using potentiometer
- Setting trigger signals
- External setting of trigger signals and position values
- Status message display

### B01-4

The scope of delivery includes:

- 1 Control Box, LinMot® B01-4
- 1 Plug-in power supply 230V / 50Hz and 115V / 60Hz
- 2 Connector cables: 'Control Box'-'Servo Drive'

### B01-E1100/B1100

The scope of delivery includes:

- 1 Control Box, LinMot® B01-E1100 or B01-B1100
- 2 Connector cables: 'Control Box'-'Servo Drive'

This image shows a full page of blank, lined paper. It features approximately 20 evenly spaced horizontal grey lines across its entire width, providing a template for handwriting practice or general note-taking. The background is a clean, solid white color.