

# 2-JAW PARALLEL GRIPPERS

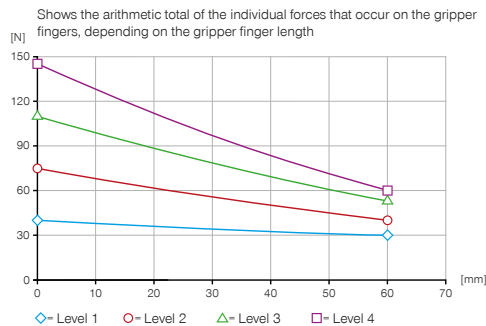
## LWR50L-23-00005-A

### ▶ PRODUCT SPECIFICATIONS



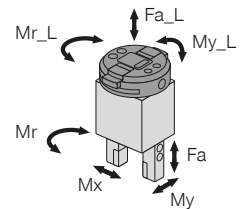
**MTC**

#### ▶ Gripping force diagram



#### ▶ Forces and moments

Shows static forces and moments



|           |     |         |     |
|-----------|-----|---------|-----|
| Mr_L [Nm] | 20  | Mr [Nm] | 2.5 |
| My_L [Nm] | 40  | Mx [Nm] | 2.5 |
| Fa_L [N]  | 500 | My [Nm] | 2   |
|           |     | Fa [N]  | 140 |

| Order no.                                       | Technical data           |
|---|--------------------------|
| <b>General data</b>                             | <b>LWR50L-23-00005-A</b> |
| Control   | I/O                      |
| Operating temperature [°C]                      | 5 ... +60                |
| Protection to IEC 60529                         | IP40                     |
| Weight [kg]                                     | 0.6                      |
| <b>Tool changer specific data</b>               |                          |
| Electrical energy transfer                      | integrated               |
| Locking stroke [mm]                             | 1                        |
| Repetition accuracy in X, Y [mm]                | 0.05                     |
| Repetition accuracy in Z [mm]                   | 0.05                     |
| Tightening force [N]                            | 50                       |
| Release force [N]                               | 0                        |
| Offset at coupling max. in X,Y [mm]             | 1.0                      |
| <b>Gripper specific data</b>                    |                          |
| Suitable for series                             | LWR50F-xx-01/02          |
| Integrated position sensing                     | Analog 0 to 10 V         |
| Cable management                                | external                 |
| Type of drive                                   | electrical               |
| Stroke per jaw [mm]                             | 6                        |
| Gripping force safety device                    | mechanical               |
| Gripping force in closing (adjustable) max. [N] | 145                      |
| Gripping force in opening (adjustable) max. [N] | 145                      |
| Closing time [s]                                | 0.1                      |
| Opening time [s]                                | 0.1                      |
| Control time [s]                                | 0.03                     |
| Dead weight of mounted gripper finger max. [kg] | 0.05                     |
| Length of the gripper fingers max. [mm]         | 60                       |
| Repetition accuracy +/- [mm]                    | 0.02                     |
| Voltage [V]                                     | 24                       |
| Current consumption max. [A]                    | 1                        |
| Minimum positioning path per jaw [mm]           | 0.5                      |

## ▶ RECOMMENDED ACCESSORIES



### CONNECTIONS / OTHER



**ALWR1-50-A**  
Match - Storage station

## ▶ RECOMMENDED ACCESSORY STORAGE STATION



**NJ5-E2SK-01**  
Inductive Proximity Switch Cable 0,3 m - Connector M8

