

# MATCH - ROBOT MODULE

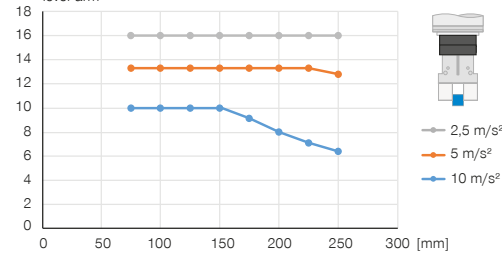
## LWR50F-24-01-A

### ▶ PRODUCT SPECIFICATIONS



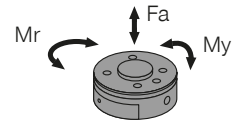
#### ▶ Vertical design with centered holding force

Shows the maximum handling weight depending on acceleration and lever arm



#### ▶ Forces and moments

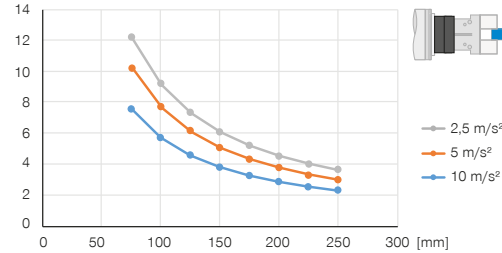
Shows static forces and moments



|         |     |
|---------|-----|
| Mr [Nm] | 20  |
| My [Nm] | 40  |
| Fa [N]  | 500 |

#### ▶ Horizontal design with centered holding force

Shows the maximum handling weight depending on acceleration and lever arm



### ▶ RECOMMENDED ACCESSORIES



#### GRIPPING COMPONENTS



**LWR50L-03-00002-A**  
MATCH gripper



**LWR50L-03-00003-A**  
MATCH gripper



**LWR50L-23-00005-A**  
MATCH gripper



**LWR50L-23-00006-A**  
MATCH gripper



#### CONNECTIONS / OTHER



**WVM7**  
Angled Fittings - Quick Connect Style



**ZUB123084**  
Strain relief

| Order no.                                 | Technical data          |
|---|-------------------------|
|   | <b>LWR50F-24-01-A</b>   |
| Suitable for robot type                   | NEURA MAiRA / Omron iCR |
| Control                                   | Digital I/O             |
| IO logic                                  | PNP                     |
| Connecting flange according EN ISO 9409-1 | TK 50                   |
| Handling weight max. [kg]                 | 25                      |
| Connecting cable                          | Socket, M8, 8-pole      |
| Locking stroke [mm]                       | 1                       |
| Electrical energy transfer                | integrated              |
| Pneumatic energy transfer                 | integrated              |
| Tightening force [N]                      | 50                      |
| Release force [N]                         | 0                       |
| Repetition accuracy in X, Y [mm]          | 0.05                    |
| Repetition accuracy in Z [mm]             | 0.05                    |
| Offset at coupling max. in X,Y [mm]       | 1.0                     |
| Operating temperature [°C]                | 5 ... +60               |
| Service life in cycles                    | 100,000                 |
| Protection to IEC 60529                   | IP40                    |
| Weight [kg]                               | 0.29                    |

