

# MATCH - ROBOT MODULE

## LWR50F-21-05-A

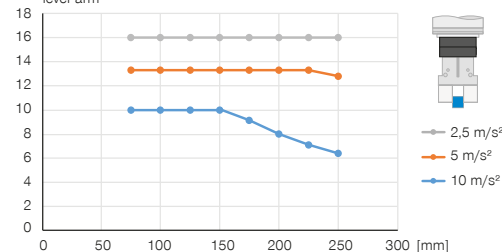
### PRODUCT SPECIFICATIONS



**MATCH**

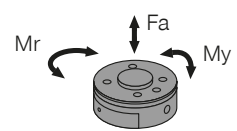
#### Vertical design with centered holding force

Shows the maximum handling weight depending on acceleration and lever arm



#### Forces and moments

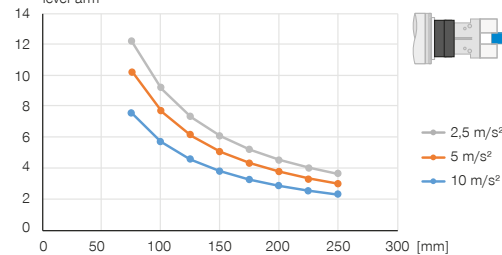
Shows static forces and moments



|         |     |
|---------|-----|
| 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-02-00001-A**  
MATCH - Grippers



**LWR50L-03-00001-A**  
MATCH - Grippers



**LWR50L-22-00001-A**  
MATCH - Grippers



**LWR50L-23-00002-A**  
MATCH - Grippers



#### CONNECTIONS / OTHER



**WVM7**  
Angled Fittings - Quick Connect Style



**ZUB123084**  
Strain relief

| Order no.                                 | ► Technical data      |
|-------------------------------------------|-----------------------|
|                                           | <b>LWR50F-21-05-A</b> |
| Suitable for robot type                   | ABB IRB 1300          |
| Control                                   | IO-Link               |
| Connecting flange according EN ISO 9409-1 | TK 40                 |
| Handling weight max. [kg]                 | 25                    |
| Connecting cable                          | Plug, M12, 12-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]                               | 0.46                  |

- ① Fixing (robot side)
- ② Energy supply
- ④ pneumatic feed-through
- ⑤1 Ground
- ⑤2 Connect-LED/Freedrive (robot-specific)

