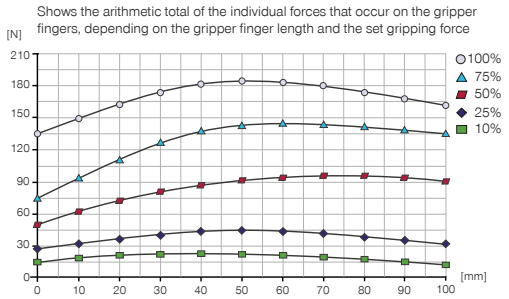
2-JAW PARALLEL GRIPPERS WITH LONG STROKE

LWR50L-02-00002-A

▶ PRODUCT SPECIFICATIONS

MATCH

▶ Gripping force diagram



▶ Forces and moments

Shows static forces and moments

Mr_L [Nm]	20	Mr [Nm]	35
My_L [Nm]	40	Mx [Nm]	35
Fa_L [N]	500	My [Nm]	35
		Fa [N]	500

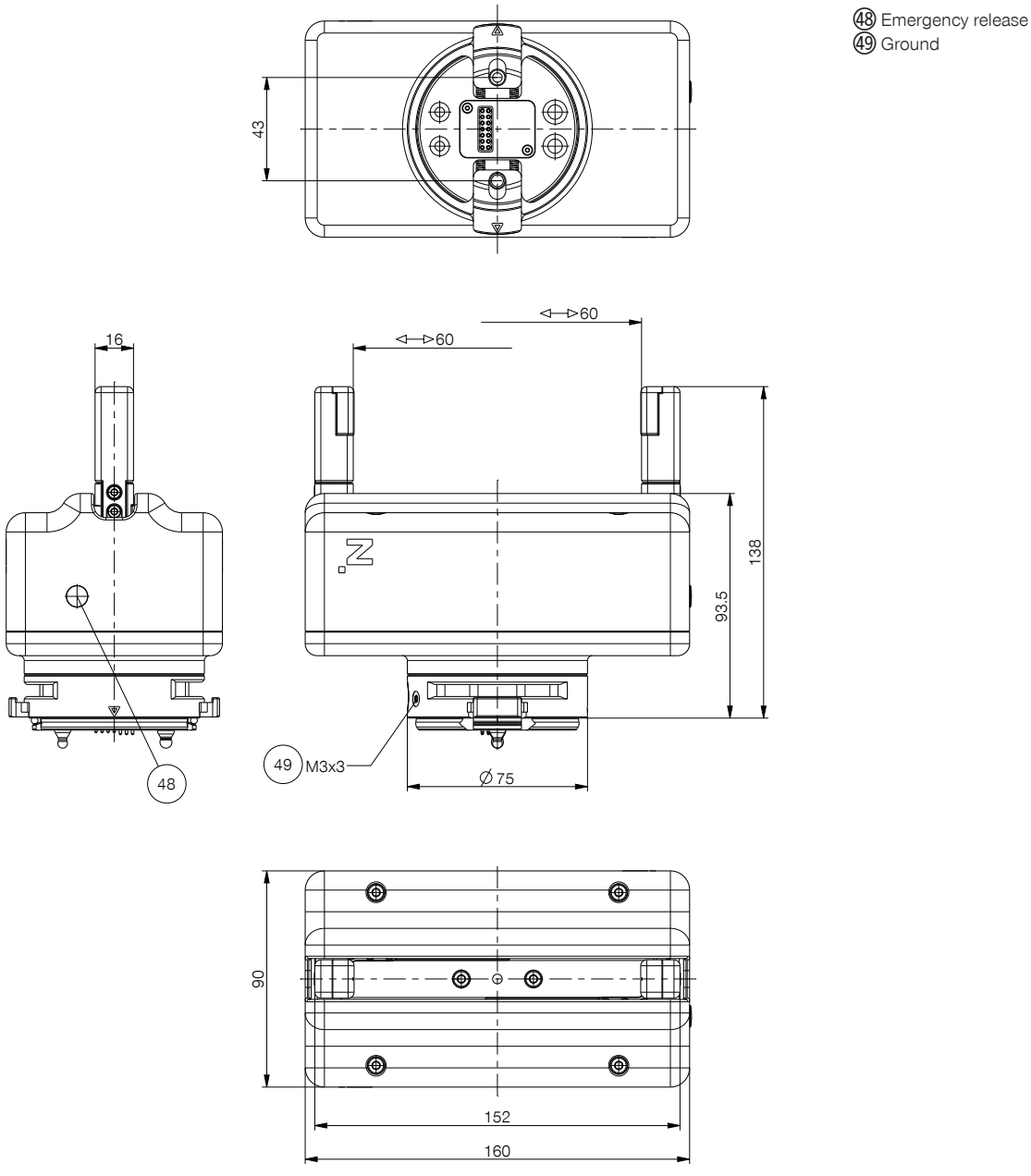
▶ Technical data

Order no.	LWR50L-02-00002-A
General data	
MRK design according to ISO/TS 15066	Yes
Control	IO-Link
Operating temperature [°C]	5 ... +50
Certifications	CE / UKCA / LABS / REACH / RoHS
Protection to IEC 60529	IP40
Weight [kg]	1.6
Tool changer specific data	
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
Gripper specific data	
Suitable for series	LWR50F-xx-03/04/05
HRC form	collaborative
Cable management	internal
Type of drive	electrical
Integrated position sensing	yes
Stroke per jaw [mm]	60
Stroke per jaw, adjustable [mm]	60
Gripping force min. [N]	20
Nominal gripping force [N]	180
Gripping force in accordance with ISO/TS 15066 [N]	<140
Control time [s]	0.125
Dead weight of mounted gripper finger max. [kg]	0.3
Length of the gripper fingers max. [mm]	80
Maximum gripping speed per gripper jaw [mm/s]	30
Maximum positioning speed per gripper jaw [mm/s]	60
Repetition accuracy +/- [mm]	0.05
Voltage [V]	24
Current consumption max. [A]	0.8
Minimum positioning path per jaw [mm]	2

▶ 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