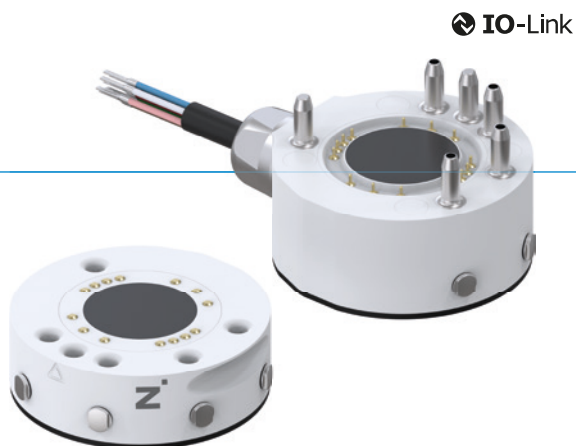


TOOL CHANGERS

SERIES WMR2000

▶ PRODUCT ADVANTAGES



IO-Link

▶ Permanent electromagnet

The permanent electromagnet in the NC version ensures a secure hold, even if there is a power failure.

▶ Integrated media transmission

Up to four integrated compressed air/vacuum transmitters possible. In addition, secure signal transmission is ensured by specially developed and sealed spring pin contacts.

▶ Resistant materials

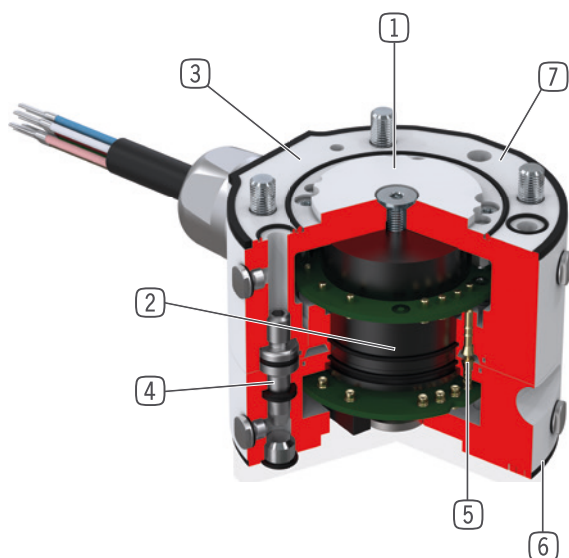
The tool changer was designed in accordance with GMP (Good Manufacturing Practice) and ISO 14644 and relies exclusively on FDA-compliant materials to ensure reduced particle emissions. Durable surfaces and materials guarantee resistance to aggressive cleaning agents such as hydrogen peroxide (H₂O₂) and many others.



▶ SERIES CHARACTERISTICS

Installation size		Variants	
WMR20XX		F-00-A	L-00-A
	IO-Link	•	•
	Digital I/O	•	•
	FDA-compliant materials	•	•
	H ₂ O ₂ -resistant materials	•	•
	Protected against corrosion	•	•
	Cleanroom-certified	•	•
	IP68	•	•

► BENEFITS IN DETAIL



- 1 Certifications**
 - Developed and constructed in accordance with GMP Class A
 - H₂O₂-resistant materials
 - TÜV-certified cleanroom class
- 2 Drive**
 - Permanent electromagnet (NC version)
 - Secure hold even in the event of a power failure
- 3 Robot flange**
 - partial mounting circle in accordance with EN ISO 9409-1
- 4 Integrated air feed-through**
 - Air / vacuum transfer
 - Hoseless control possible
- 5 Integrated current and signal transmission**
 - Sealed FDA-compliant spring contacts
 - Integrated loose part coding
- 6 Loose part**
 - For tool side assembly
 - Sealed flange
- 7 Fix part**
 - For robot side assembly
 - Sealed flange

► TECHNICAL DATA

	Connecting flange according EN ISO 9409-1	Pneumatic energy transfer	Electrical energy transfer
Installation size		[Quantity]	[Quantity]
WMR2063	TK 63	4	10

► FURTHER INFORMATION IS AVAILABLE ONLINE



All information just a click away at: www.zimmer-group.com. Find data, illustrations, 3D models and operating instructions for your installation size using the order number for your desired product. Quick, clear and always up-to-date.

TOOL CHANGERS

INSTALLATION SIZE WMR2063

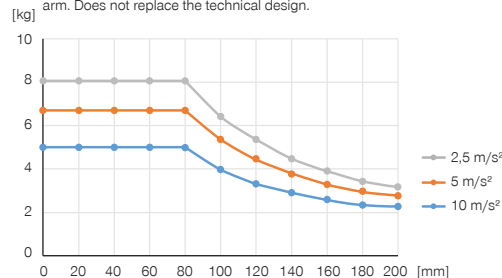
▶ PRODUCT SPECIFICATIONS

 **IO-Link**



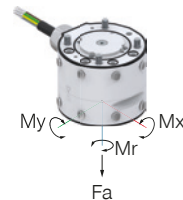
▶ Variable installation position

Shows the maximum handling weight depending on acceleration and lever arm. Does not replace the technical design.



▶ Forces and moments

Shows the maximum forces and moments which may impact on the tool changer.



Mr [Nm]	20
Mx [Nm]	13
My [Nm]	13
Fa [N]	265

▶ INCLUDED IN DELIVERY



4 [piece]
Plastic cover for screws
173835

▶ RECOMMENDED ACCESSORIES



ENERGY SUPPLY



CPNEU02498
Straight connection



CPNEU02497
Elbow connection



CONNECTIONS / OTHER



AWMR2063-00-A
Storage station

▶ RECOMMENDED ACCESSORY STORAGE STATION



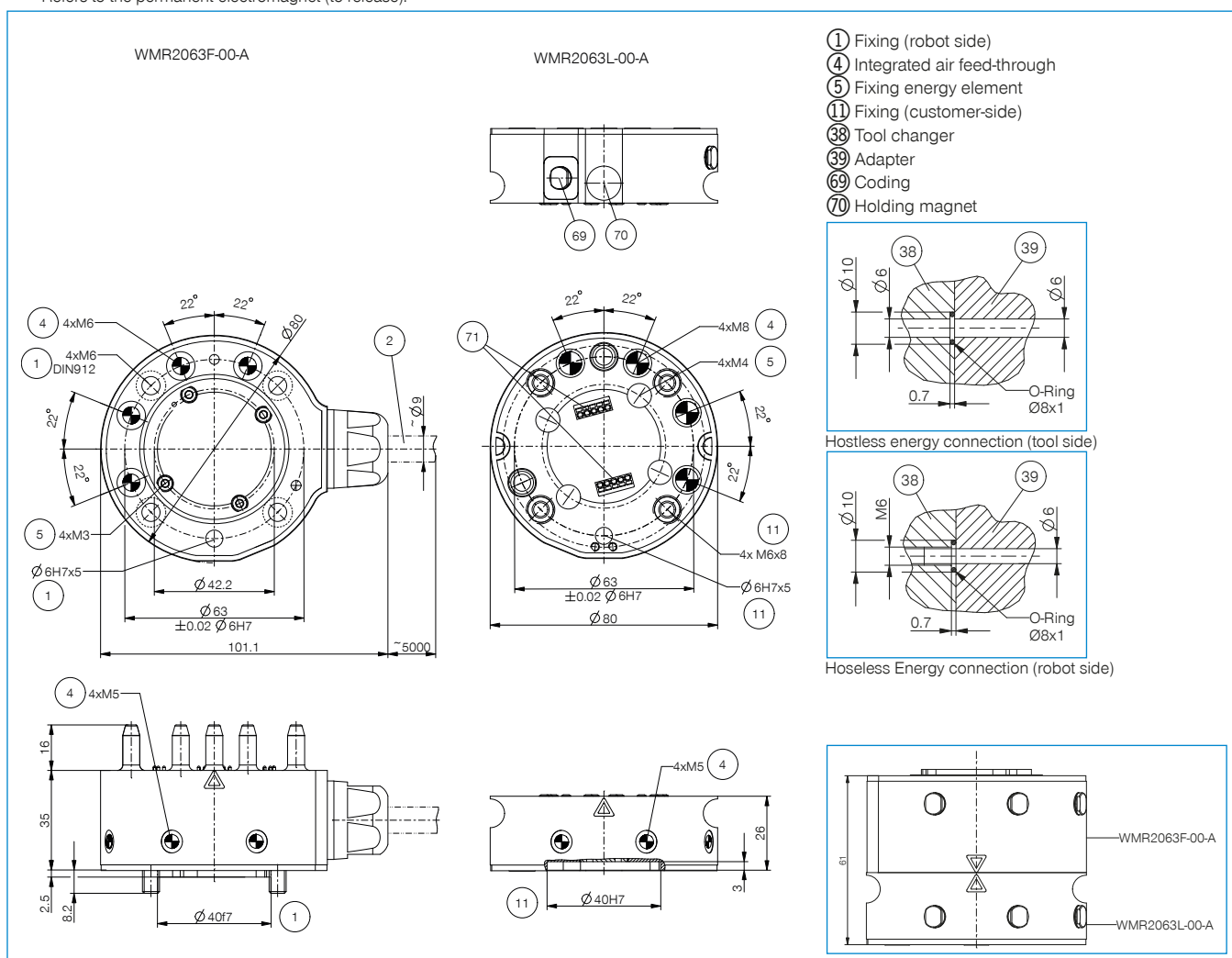
NJ5-E2SK
Inductive Proximity Switch Cable 0,3 m - Connector M8

Order no.	► Technical data	
	WMR2063F-00-A	WMR2063L-00-A
Connecting flange according EN ISO 9409-1	TK 63	TK 63
Type of drive	Magnetic	Magnetic
Supply voltage [V]**	24	
Nominal current [A]**	1.5	
On-time ***	10% ED S3 5 min	
Pneumatic energy transfer [Quantity]	4	4
Electrical energy transfer [Quantity]	10	10
Flow per connector [l/min]	360	360
Energy element operating voltage [V]	24	24
Energy element nominal current [A]	5	5
Data transmission	Digital I/O, IO-Link	Digital I/O, IO-Link
Holding force [N]	265	
Joining force [N]	60	60
Release force [N]	120	120
Repetition accuracy in Z [mm]	0.1	0.1
Repetition accuracy in X, Y [mm]	0.1	0.1
Offset at coupling max. in X,Y [mm]	1.0	1.0
Operating temperature [°C]	5 ... +60	5 ... +60
Moment of inertia [kgcm²]	4.3	1.6
Clean room applications according to DIN EN ISO 14644-1	2	2
Certifications	LABS / REACH / RoHS	LABS / REACH / RoHS
Protection to IEC 60529	IP68*	IP68*
Weight [kg]	0.49	0.21

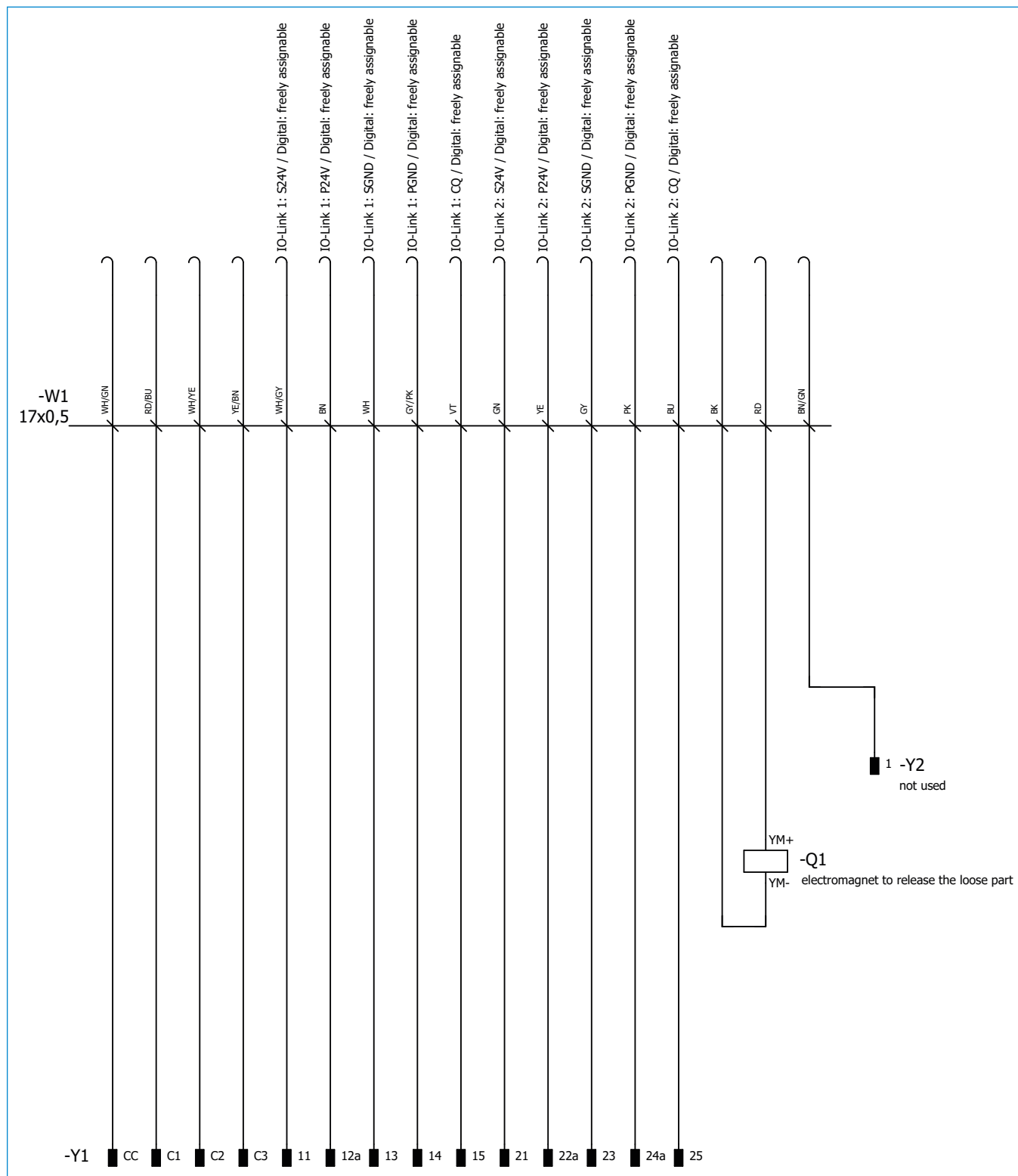
*When screwed down over the entire surface.

**Only needed for releasing.

***Refers to the permanent electromagnet (to release).



► WMR2063F-00-A



► WMR2063L-00-A

