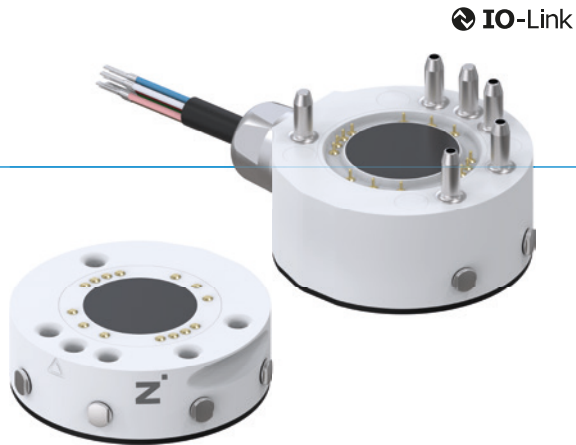


TOOL CHANGERS

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.

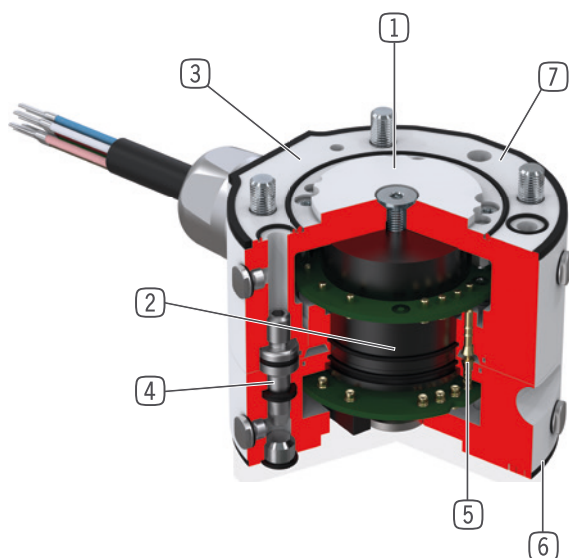
▶ Resistant materials

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

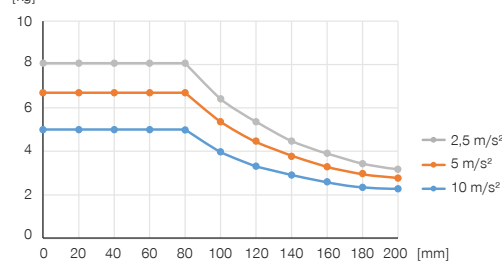
PRODUCT SPECIFICATIONS

 **IO-Link**



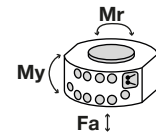
Variable installation position

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



Forces and moments

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



Mr [Nm]	20
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



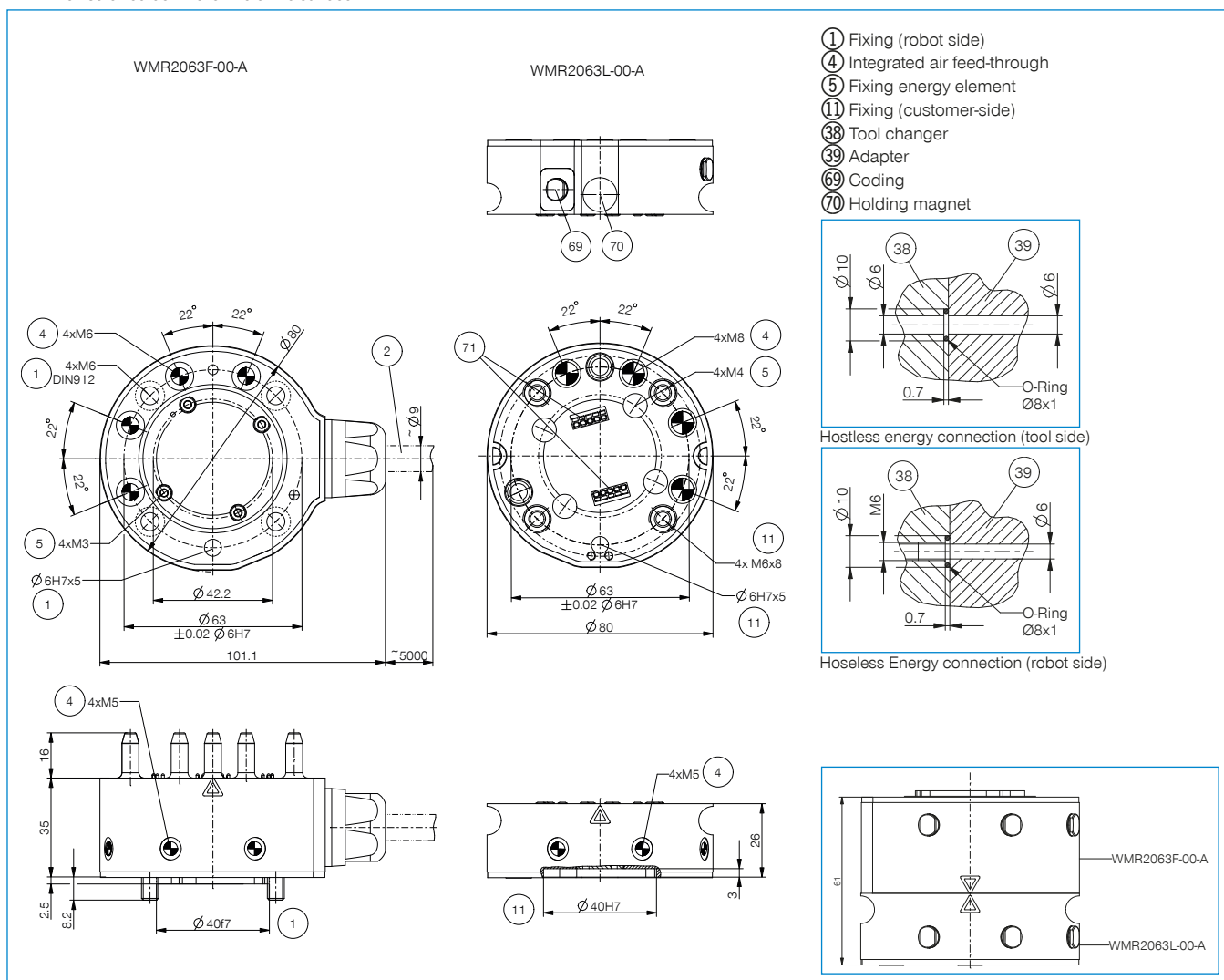
NJ5-E2SK
Inductive Proximity Switch Cable 0,3 m - Connector M8

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 [kgcm ²]	4.3	1.6
Clean room applications according to DIN EN ISO 14644-1	2	2
Protection to IEC 60529	IP68***	IP68***
Weight [kg]	0.5	0.21

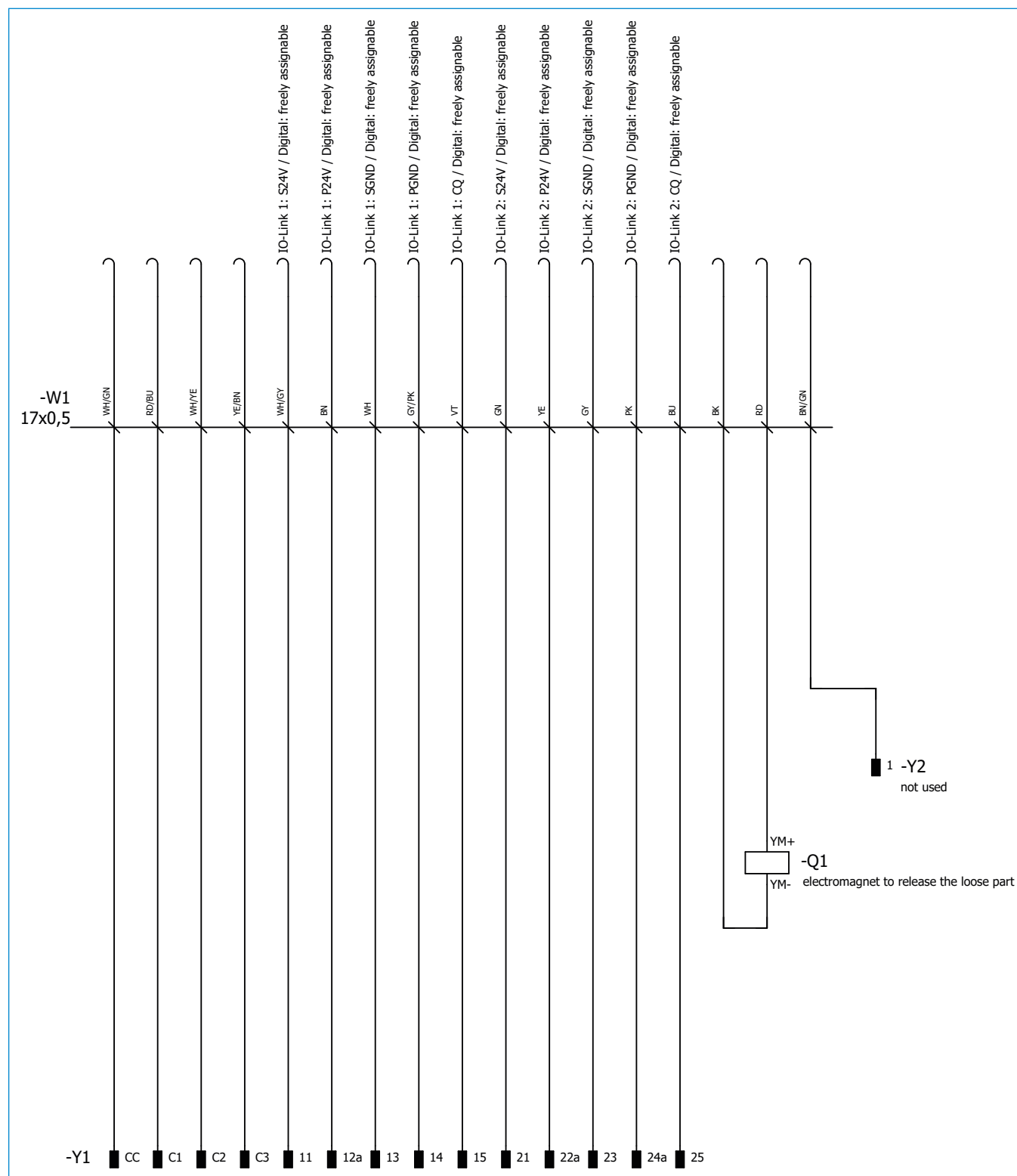
*Only needed for releasing.

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

***When screwed down over the entire surface.



► WMR2063F-00-A



► WMR2063L-00-A

