

ROTARY DISTRIBUTORS

SERIES DVR

▶ PRODUCT ADVANTAGES



▶ **Compact media transfer system**

This D1 media exchanger makes cable breaks and undefined interference contours through the power supply line a thing of the past

▶ **Flat design**

This structure reduces the moment load for your robot to a minimum and makes it possible to use smaller and more affordable sizes

▶ **Gold contact**

Allows flexibility for transmission because you can transfer everything from the smallest flows up to 250 volts and 6 amps with process reliability

▶ THE BEST PRODUCT FOR YOUR APPLICATION



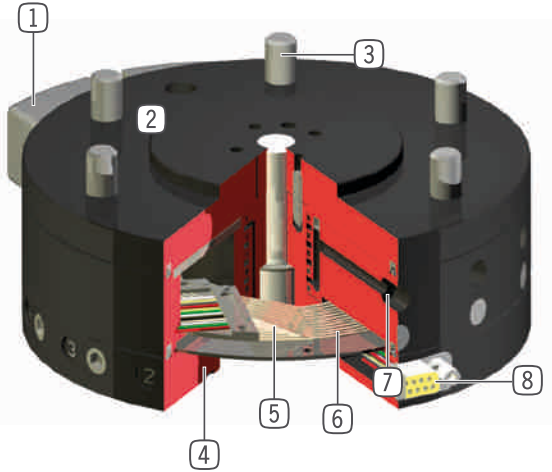
▶ **Our products welcome the challenge!**

Extreme conditions, all over the world—our tried and tested components and systems give you endless possibilities.

Find the best product for your specific use:

www.zimmer-group.com

► **BENEFITS IN DETAIL**



- ① **Torque brace**
- supports the rotor during rotation (movement)
- ② **Robust, lightweight housing**
- Hard-coated aluminum alloy
- nitrated steel
- ③ **Robot flange**
- partial mounting circle in accordance with EN ISO 9409-1
- ④ **Direct air connection**
- to WWR series
- ⑤ **Spring system**
- from size DVR63 double fitting
- ⑥ **Collector ring**
- hard gold coated
- transferable to finest currents
- ⑦ **Up to 8 way integrated air feed-through**
- for hoseless air transfer
- hose package does not have to be pivoted
- ⑧ **Up to 12 pole energy transfer**
- for cable-free signal transfer
- no cables are subjected to torsion

► **FURTHER INFORMATION IS AVAILABLE ONLINE**



► **Technical Information**

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.



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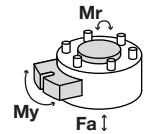
INSTALLATION SIZE DVR160

▶ PRODUCT SPECIFICATIONS



▶ Forces and moments

Shows static forces and moments which may impact on the rotary distributor.



Mr [Nm]	900
My [Nm]	900
Fa [N]	7000

▶ INCLUDED IN DELIVERY



Cylinder Screw

C7984100209



O-Ring

COR0070150

▶ RECOMMENDED ACCESSORIES

Order no.	Technical Data	
	DVR160I4	DVR160I8
Connecting flange according EN ISO 9409-1	TK 160	TK 160
Recommended handling weight [kg]	200	200
Pneumatic energy transfer [Quantity]*	4	8
Electrical energy transfer	12-pole	12-pole
Max. current [A]	6	6
Max. voltage [V]	250	250
Maximum acceleration [m/s ²]	20	20
Maximum speed [1/min.]	100	100
Maximum speed [°/s]	600	600
Radial run out +/- [mm]	0.05	0.05
Axial run out +/- [mm]	0.05	0.05
Constant torque [Nm]	4	5
Loose torque [Nm]	5	6
Operating pressure max. [bar]	10	10
Operating temperature [°C]	5 ... +80	5 ... +80
Moment of inertia [kg/cm ²]	480	580
Protection to IEC 60529	IP64	IP64
Weight [kg]	9.1	11

*Vacuum possible

1 Fixing (robot side)
 4 Integrated air feed-through
 11 Fixing tool side
 17 Torque brace
 19 Electrical energy transfer robot side
 20 Electrical energy transfer tool side
 33 Air purge connection option
 38 Tool changer
 39 Adapter

PIN assignment

Hoseless air passage (tool)