

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



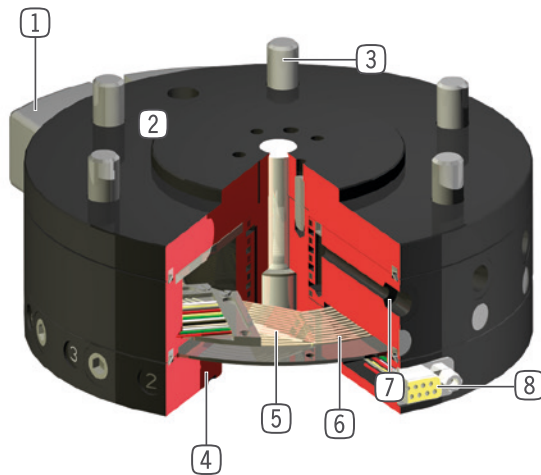
► Our products welcome the challenge!

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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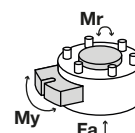
INSTALLATION SIZE DVR80

► PRODUCT SPECIFICATIONS



► Forces and moments

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



| | |
|---------|------|
| Mr [Nm] | 300 |
| My [Nm] | 300 |
| Fa [N] | 1500 |

► INCLUDED IN DELIVERY



Cylinder Screw

C7984080169



O-Ring

COR0030100

► RECOMMENDED ACCESSORIES



Straight Fittings - Quick Connect Style

GVM5



Angled Fittings - Quick Connect Style

WVM5

Technical Data

| Order no. | DVR80I6 |
|---|-----------|
| Connecting flange according EN ISO 9409-1 | TK 80 |
| Recommended handling weight [kg] | 50 |
| Pneumatic energy transfer [Quantity]* | 6 |
| Electrical energy transfer | 6-pole |
| Max. current [A] | 6 |
| Max. voltage [V] | 250 |
| Maximum acceleration [m/s ²] | 22 |
| Maximum speed [1/min.] | 120 |
| Maximum speed [°/s] | 720 |
| Radial run out +/- [mm] | 0.03 |
| Axial run out +/- [mm] | 0.03 |
| Constant torque [Nm] | 2 |
| Loose torque [Nm] | 3 |
| Operating pressure max. [bar] | 10 |
| Operating temperature [°C] | 5 ... +80 |
| Moment of inertia [kg/cm ²] | 27 |
| Protection to IEC 60529 | IP64 |
| Weight [kg] | 2 |

*Vacuum possible

