

ROTARY DISTRIBUTORS

SERIES DVR1000

▶ PRODUCT ADVANTAGES



▶ Rotary distributor with Industrial Ethernet

The integrated slip ring lets you transmit future-ready Industrial Ethernet to your machine for the first time with complete process reliability

▶ 8x integrated air-feed-through

Keep wear to a minimum and eliminate undefined interference contours from your hose package in order to use your machine's installation space more effectively

▶ Double bearings

The integrated roller bearings provide high stiffness and allows you to maximize the operational dynamics of your robot, improving your cycle times

▶ 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

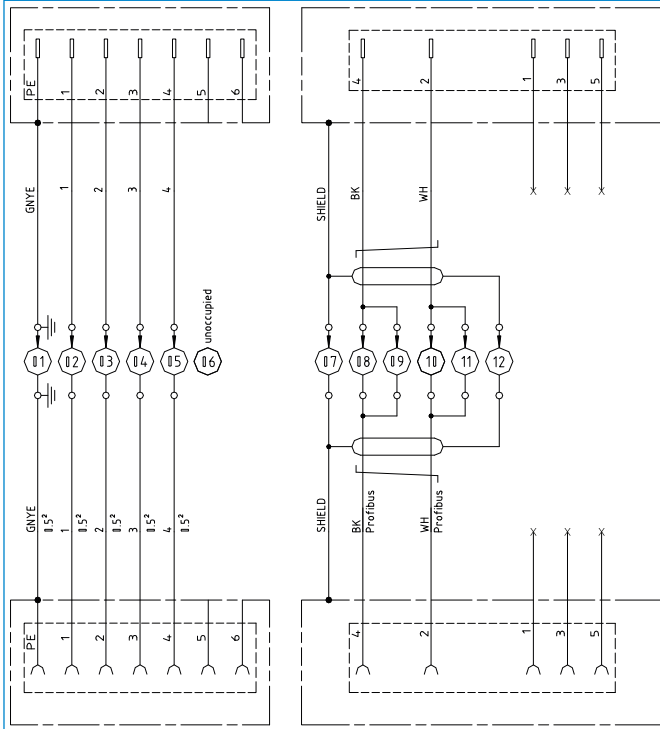
HOW TO ORDER CORRECTLY

- ▶ The product order numbers are arranged according to this diagram:

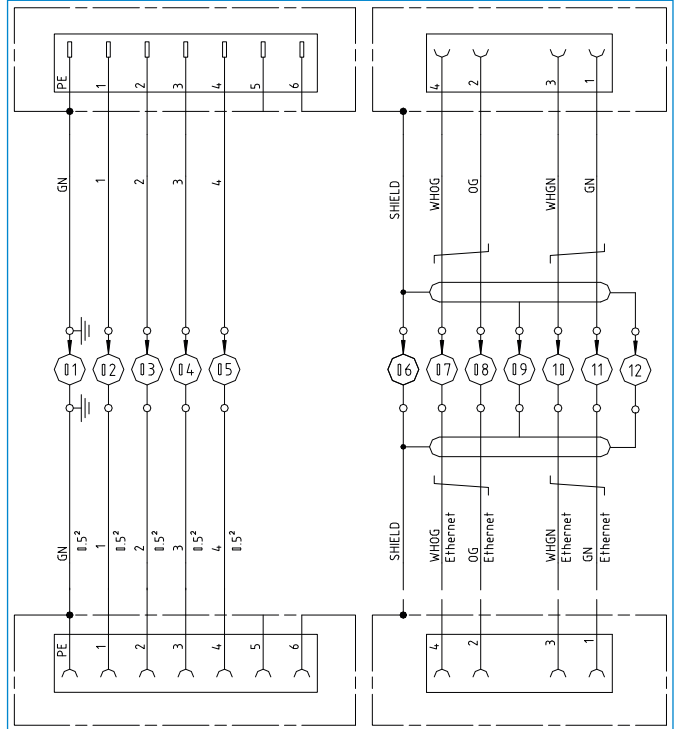
Order no.	DVR1125	<input type="checkbox"/>		
Profibus		PB		
Industrial Ethernet		PN		

CONNECTION DIAGRAM

DVR1125PB



DVR1125PN



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.



ROTARY DISTRIBUTORS

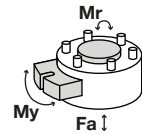
INSTALLATION SIZE DVR1125

▶ 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



O-ring
145x2.5

COR1450250

▶ RECOMMENDED ACCESSORIES

► Technical Data

Order no.	DVR1125PB	DVR1125PN
Connecting flange according EN ISO 9409-1	TK 125	TK 125
Recommended handling weight [kg]	200	200
Pneumatic energy transfer [Quantity]*	8	8
Bus protocol	Profibus	Industrial Ethernet
Data rate	12	100
Electrical energy transfer	4 + PE	4 + PE
Max. current [A]	9	9
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	4
Loose torque [Nm]	5	5
Operating pressure max. [bar]	10	10
Operating temperature [°C]	5 ... +80	5 ... +80
Moment of inertia [kg/cm ²]	370	370
Protection to IEC 60529	IP64	IP64
Weight [kg]	8.5	8.5

*Vacuum possible

Technical drawings of the DVR1125 rotary distributor. The top view shows a circular flange with an outer diameter of $\varnothing 164h8$ and an inner diameter of $\varnothing 125$ ($\pm 0.02 \varnothing 10H7$). It features 8x M6 holes (4) and 6x M10x15 holes (11) arranged in a $3 \times 24^\circ$ pattern. The side view shows a total height of 100 mm and a diameter of $\varnothing 80h7$. The bottom view shows a diameter of $\varnothing 125$ ($\pm 0.02 \varnothing 10H7$) and 6x M10 DIN7984 holes (1). A perspective view shows the assembly window (21) and the tool changer (38) with an adapter (39). A detailed view of the hoseless air passage (tool) shows an O-Ring ($\varnothing 7 \times 1.5$) and an M6 hole with a 1.2 mm diameter.

- 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
- ㉑ Assembly window
- ㉘ Tool changer
- ㉙ Adapter