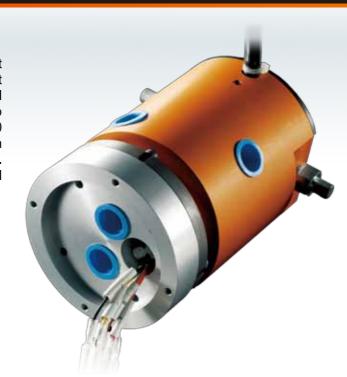


Features

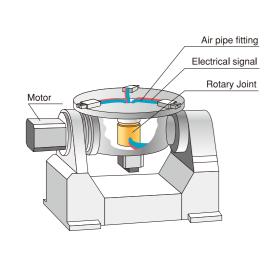
- Equipped with both electrical signal contacts and pneumatic port utilities
- Lightweight and compact body
- 360 degree endless rotation (Rated 50rpm)
- Supports three wire-saving models (DeviceNet, Uni-wire, CC-Link) and four analog signal models (6, 12, 24 and 36 electrical wires)
- CC-Link Partner Association approval (PN-ZERO 2/C-4)



Usages

- Positioner turntable shafts
- Shafts for plural jigs by vertical and lateral rotation method
- Other forward/reverse rotation device shafts

Usage example (Positioner)



PN-ZERO 2/D-5 (DeviceNet spec.)



PN-ZERO 2/6



PN-ZERO 2/24





PN-ZERO 2/U-6 (Uni-wire spec.)



PN-ZERO 2/12





PN-ZERO 2/C-4 (CC-Link spec.)

Main specifications (Analog signal model)

Specifications Model			PN-ZERO 2/6	PN-ZERO 2/12	PN-ZERO 2/24	PN-ZERO 2/36		
Angle of rotation				360 degree endless rotation				
Outside dimension			φ 89mm $ imes$ H132mm	φ 89mm $ imes$ H152mm		φ 89mm×H172mm		
Product weight			2.6kg	2.8kg	2.9kg	3.0kg		
Rotational torque			About 500N∙cm					
Rotational		(Max)		100rpm				
speed		(Rated)		50rpm				
Connecting utilities	Electrical	Number of electric	cal wires	6 electrical wires	12 electrical wires	24 electrical wires	36 electrical wires	
		Contact capacity (max)		2A sequential (AC100V/DC100V)				
		Stationary	side	Cable with shield / Plug-in type pin terminal PC2005M (Nichifu)			SM (Nichifu)	
		Rotational	side	Cable with shield / Plug-in type pin terminal PC2005M (Nichifu)				
	Pneumatic	Number of	ports	2 ports				
		Minimum conduit diameter		φ14.4mm				
		Pressure range for use		0~0.98MPa (0~10kgf/cm²)				
		Stationary side connection		Joint screw (Rc3/8)				
		Rotational side connection		Joint screw (Rc3/8)				

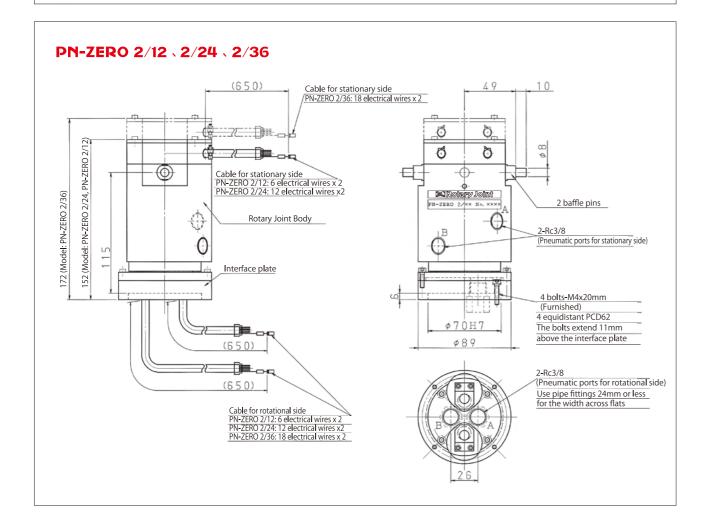
Main specifications (Wire-saving model)

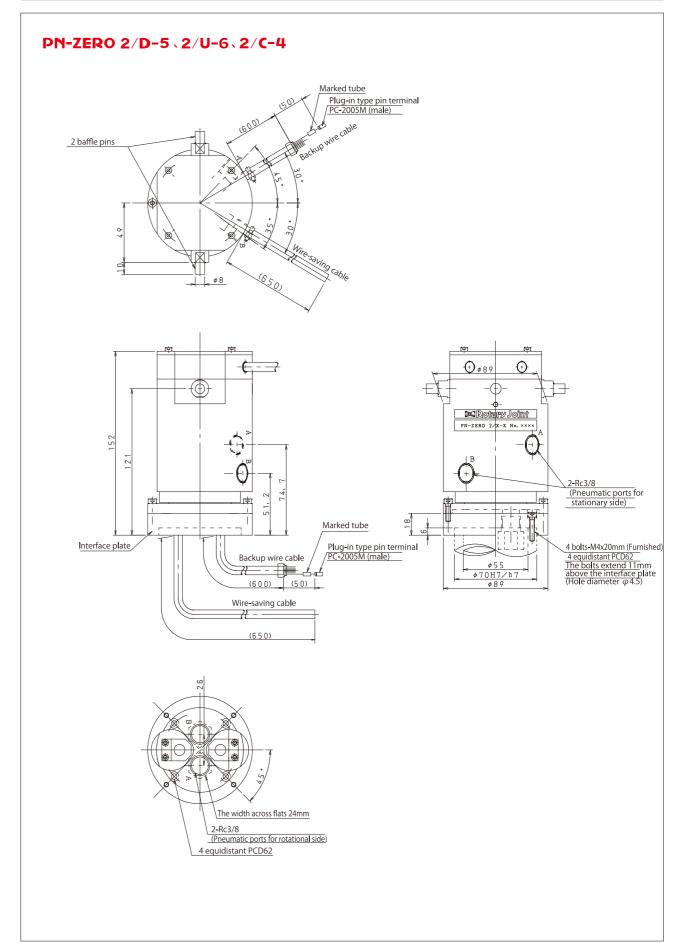
Specifications Model					PN-ZERO 2/D-5 \ 2/U-6 \ 2/C-4		
Angle of rot	ation				360 degree endless rotation		
Outside din	nension				Refer to the main body outline drawing		
Product we	ight				About 3.0kg		
Rotational t	orque				About 500N⋅cm		
Rotational		(Ma	ax)		100rpm		
speed		(Rat	ed)		50rpm		
Connecting utilities	Electrical signals	Number of	Wire-saving		Standard number of wires for three models		
		electrical	Rackup	electrical	Model: PN-ZERO 2/D-5: 5 electrical wires		
		wires	wires	electrical	Model: PN-ZERO 2/U-6: 6 electrical wires		
		wires	Wiles		Model: PN-ZERO 2/C-4: 4 electrical wires		
		Contact capacity (max)			2A sequential (AC100V/DC100V)		
		Connection	Stationary side	Wire-saving	Unconnected		
					(Connect to match user specifications)		
				Backup electrical wires	Plug-in type pin terminal with insert-type (Nichifu) PC-2005M		
					(User provided: PC-2005F)		
			Rotational side	Wire-saving	Unconnected		
					(Connect to match user specifications)		
				Backup electrical wires	Plug-in type pin terminal with insert-type (Nichifu) PC-2005M		
					(User provided: PC-2005F)		
	Pneumatic pressure	Numbe	r of ports		2 ports		
		Minimu	m conduit	diameter	φ14.4mm		
		Pressur	e range for	use	0~0.98MPa (0~10kgf/cm²)		
		Stationa	ary side con	nection	Joint screw (Rc3/8)		
		Rotational side connection			Joint screw (Rc3/8)		

^{*} CC-Link PN-ZERO 2/C-4 is approved by the CC-Link Partner Association.

1kg 5kg 10kg 20kg 40kg 60kg 70kg 100kg 150kg 220kg 300kg

100kg





ZEUS

GIGA Auto

1kg 5kg 10kg 20kg 40kg 60kg

70kg 100kg 150kg 220kg 300kg

100kg

300kg

Wire-Saving module / Contact Block
Non-contact electric signal block
A mechanical safety valve prevents
Tool plate drops