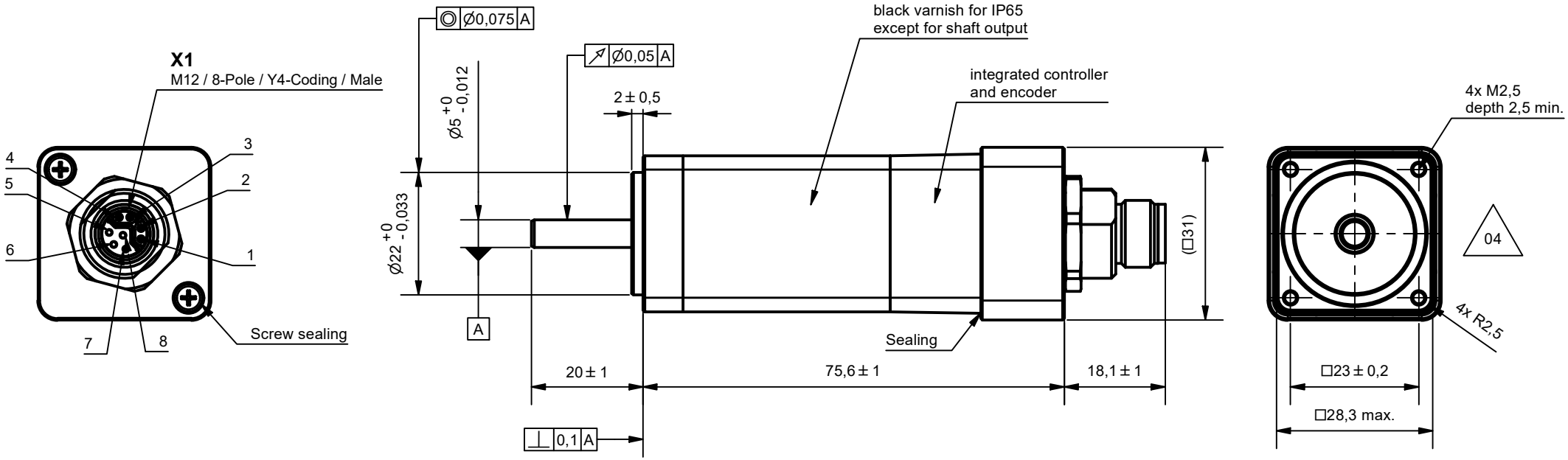
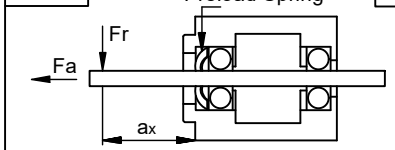


04

X1	
Pin No.	Function
1	CAN_H
2	CAN_L
3	CAN_H
4	CAN_L
5	Input 1 (+5V/+24V)
6	Output 1 (Push-pull)
7	+UB
8	GND

A-Shaft — Preload Spring — B-Shaft



Max. Axial Force	Fa	N	7
Max. Radial Force	Fr (a1= 5 mm)	N	28
Max. Radial Force	Fr (a2= mm)	N	-/-
Axial Play	Fa= N	mm	0.08
Radial Play	Fr = N	mm	0.02

MOTOR SPECIFICATION		
Min. Operating Voltage	V DC	12
Max. Operating Voltage	V DC	30
Current per Winding	A	1.5
Holding Torque	Nm	0.18
Step Angle ±5%	°	1.8
Rotor Inertia	x10^{-6} kg m²	1.8
Singleturn Encoder Resolution	cpr	4096

04

GENERAL MOTOR SPECIFICATION		
Interface		CANOPEN
Ambient Temperature	°C	-10 ... +40
Max Ambient Humidity (non condensing)	%	85
Insulation Class		B
Insulation Resistance	MΩ	100
Dielectric Strength (for 1 min - coil to case)	V AC	500
Protection Class (exept shaft outlet)		IP65

ISO 8015	ISO 1302	ISO 2768 mK	ISO 13715

REV	Rev. Text	Name	Date
04	Pin Function, Format	Rehse_P	17.05.2024
03	Connector Pins	Rehse_P	13.12.2023
02	MFrame, Cover, Tables	Rehse_P	29.11.2023
01	Updated Parts	Rehse_P	12.10.2023

	Date	Name
Drawn	04.01.2023	Pinther._M
Reviewed	04.09.2023	Rehse_P
Released	04.09.2023	Rehse_P

Nanotec® PLUG & DRIVE

Weight: ±10% 0.25 kg

PD1-C281L15-E-65-2-CYL

20001828

Scale: 1 : 1

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State: Released | Rev: 04 | CONFIDENTIAL