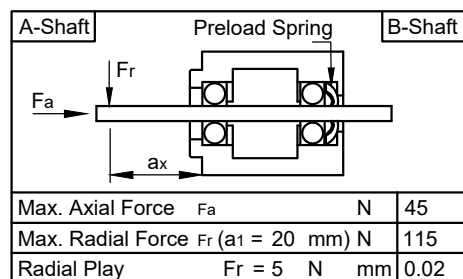
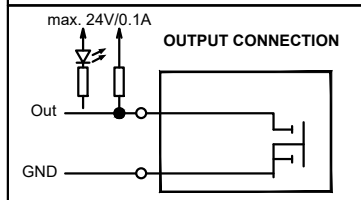
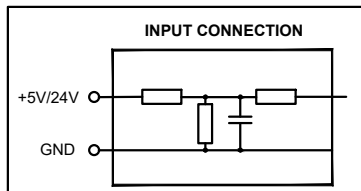


Integrated controller and Encoder  
black varnish for IP65 except for shaft output

MOTOR SPECIFICATION								
PD6-EB80xx-x-65-4	SD-M	SD-E	MD-M	MD-E	LD-M	LD-E	CD-M	CD-E
Motor Length "A"	mm		134	155	170		190	
No. of Poles	8							
Rated Voltage	V DC		48					
Min. Operating Voltage	V DC		12					
Max. Operating Voltage	V DC		57.6					
Current - Rated / Peak	A	6.9 / 20		14 / 40		18.75 / 65		25 / 75
Torque - Rated / Peak	Nm	0.9 / 2.5		1.7 / 5		2.25 / 6.5		3 / 9
Torque Constant	Nm/A	0.13	0.12	0.12	0.12			
Power Rated	W	283	534	706	940			
Speed - No Load / Rated ±10%	rpm	4100 / 3000		4250 / 3000		4300 / 3000		4250 / 3000
Rotor Inertia	kg m <sup>2</sup>	54.4 x 10 <sup>-6</sup>		102 x 10 <sup>-6</sup>		136 x 10 <sup>-6</sup>		190 x 10 <sup>-6</sup>
Multiturn Encoder Resolution	bit	16	-	16	-	16	-	16
Singleturn Encoder Resolution	bit	17	12	17	12	17	12	12
Weight	kg	±10% 2.1		±10% 2.8		±10% 3.2		±10% 3.8



<b>X3</b>	<b>Modbus TCP IN</b>
<b>M12/ 4-Pole / D-Coding / female</b>	
cable shield on housing	

<b>X4</b>	<b>Modbus TCP OUT</b>
<b>M12/ 4-Pole / D-Coding / female</b>	
Pin No.	Function
1	TD+
2	RD+
3	TD-
4	RD-
cable shield on housing	

<b>X5</b>	<b>Brake OUT</b>
<b>M8/ 3-Pole / A-Coding / female</b>	
PIN No.	Function
1	Vcc
3	GND
4	n.c.
cable shield on housing	

<b>X6</b>	<b>Mini-USB</b>
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<b>X1</b>	<b>POWER</b>
<b>M12 / 4-Pole / L-Coding / male</b>	
Pin No.	Function
1	+UB
2	+UB
3	GND
4	GND
cable shield on housing	

<b>X2</b>	<b>IO</b>
<b>M12 / 12-Pole / A-Coding / male</b>	
Pin No.	Function
1	GND
2	Input 1 (+5V/+24V)
3	Input 2 (+5V/+24V)
4	Input 3 (+5V/+24V)
5	Input 4 (+5V/+24V)
6	Input 5 (+5V/+24V)
7	Input 6 (+5V/+24V)
8	Analog Input (0-10V/0-20mA)
9	Output 1 (open drain)
10	Output 2 (open drain)
11	+5V Voltage Supply (max. 100mA)
12	+UB Logic (24V)
cable shield on housing	

GENERAL MOTOR SPECIFICATION	
Interface	MODBUS TCP
Ambient Temperature	°C -10 ... 40
Storage Temperature	°C -10 ... 85
Max. Ambient Humidity (non condensing)	% 85
Protection Class (except shaft outlet)	IP65
Protection Class (shaft outlet)	IP54

	ISO 8015	ISO 1302	ISO 2768 cK	ISO 13715
06	Ä-NR. 2025-0071	Schneid_A	20.11.2025	Date Name
05	correct tolerance	Schneid_A	13.12.2022	Drawn 28.07.2022 Schneid_A
04	correct Label	Schneid_A	09.11.2022	Reviewed 02.08.2022 Rehse_P
03	INFO Label	Schneid_A	12.10.2022	Released 02.08.2022 Rehse_P
02	correct pos. USB Con.	Schneid_A	06.09.2022	
REV	Rev. Text	Name	Date	

PD6-EB80xD-x-65-4

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State: Released      Rev: 06      CONFIDENTIAL

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