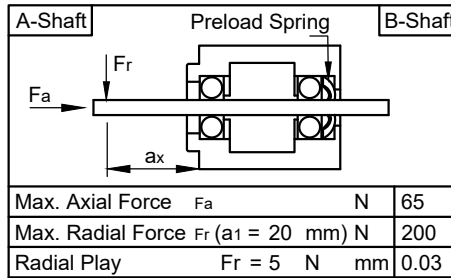
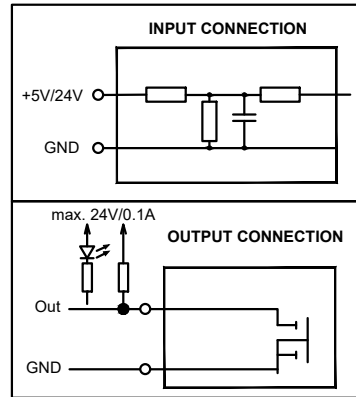


Integrated controller and Encoder

black varnish for IP65 except for shaft output



Max. Axial Force F_a	N	65
Max. Radial Force F_r ($a_1 = 20$ mm)	N	200
Radial Play $F_r = 5$ N	mm	0.03

X3	PROFINET IN
M12/ 4-Pole / D-Coding / female	
cable shield on housing	

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

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

X6	Mini-USB
-----------	-----------------

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

X2	IO
M12 / 12-Pole / A-Coding / male	
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	

MOTOR SPECIFICATION						
PD6-E891xxx-x-65-10	S95-M	S95-E	M95-M	M95-E	L95-M	L95-E
Motor Length "A"	mm	112	145	175		
Min. Operating Voltage	V DC		12			
Nominal Operating Voltage	V DC		48			
Max. Operating Voltage	V DC		57.6			
Current per Winding	A		9.5			
Step Angle	±5% °		1.8			
Holding Torque	Nm	3.2	5.94	9.33		
Rotor Inertia	kg m ²	100 x 10 ⁻⁶	190 x 10 ⁻⁶	300 x 10 ⁻⁶		
Multiturn Encoder Resolution	bit	16	-	16	-	16
Singleturn Encoder Resolution	bit	17	12	17	12	12
Weight	kg	±10% 2.5	±10% 3.8	±10% 5.0		

GENERAL MOTOR SPECIFICATION	
Interface	PROFINET
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
04	Ä-NR. 2025-0071	Schneid_A	20.11.2025
03	INFO Label	Schneid_A	12.10.2022
02	change length S Motor	Schneid_A	31.08.2022
01	added remarks	Rehse_P	17.08.2022
REV	Rev. Text	Name	Date

Date		Name	
15.06.2022	Schneid_A	02.08.2022	Rehse_P
02.08.2022	Rehse_P	02.08.2022	Rehse_P
PD6-E891x95-x-65-10			
20001519		A4 Page 1	
State: Released	Rev: 04	CONFIDENTIAL	

