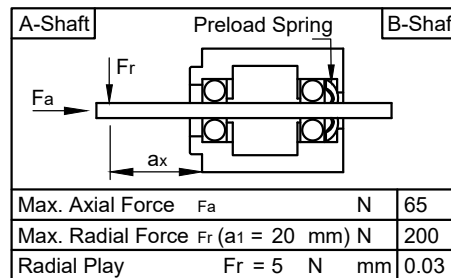
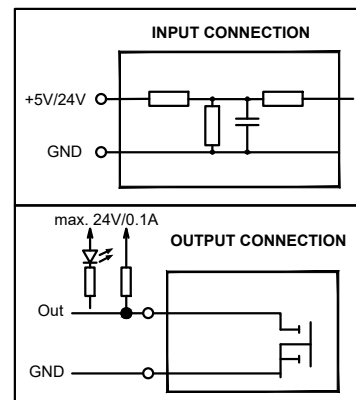


Integrated controller and Encoder

black varnish for IP65
except for shaft output



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

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)

X3 EtherCAT IN	
M12/ 4-Pole / D-Coding / female	
Pin No.	Function
1	TD+
2	RD+
3	TD-
4	RD-

X4 EtherCAT OUT	
M12/ 4-Pole / D-Coding / female	
Pin No.	Function
1	TD+
2	RD+
3	TD-
4	RD-

X5 Brake OUT	
M8/ 3-Pole / A-Coding / female	
PIN No.	Function
1	Brake
3	Brake GND
4	N.C.

X6 Mini-USB	
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MOTOR SPECIFICATION						
PD6-E891xxx-x-65-1	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	17	-	17	17	-
Singleturn Encoder Resolution	bit	16	12	16	12	12
Weight	kg	~2.5	~3.7	~5.0		

GENERAL MOTOR SPECIFICATION	
Interface	ETHERCAT
Ambient Temperature	°C -10 ... 40
Switch-off Temperature	°C 75
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	
REV	Rev. Text	Name	Date	Drawn	Date	Name	
02	change length S Motor	Schneid_A	31.08.2022	Released	02.08.2022	Rehse_P	
01	added remarks	Rehse_P	17.08.2022				



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State: Released	Rev: 02	CONFIDENTIAL	