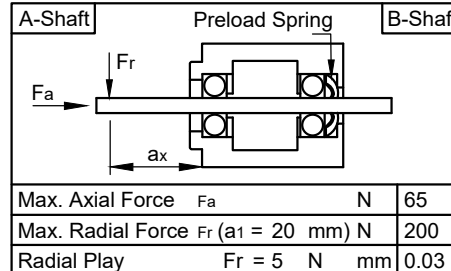
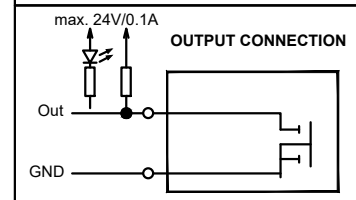
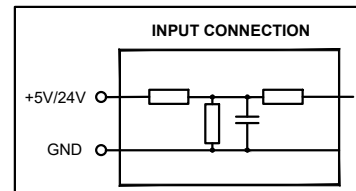


Integrated controller and Encoder

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	Fr = 5 N	mm 0.03

X3	Modbus RTU IN
M12/ 5-Pole / B-Coding / male	

X4	Modbus RTU OUT
M12/ 5-Pole / B-Coding / female	
Pin No.	Function
1	X3 / X4 connected
2	D0 (RS485-)
3	Common
4	D1 (RS485+)
5	N.C.

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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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)

MOTOR SPECIFICATION				
		S95-E	M95-E	L95-E
PD6-E891xxx-x-65-5				
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
Singleturn Encoder Resolution	bit	12	12	12
Weight	kg	~2.5	~3.7	~5.0

GENERAL MOTOR SPECIFICATION		
Interface		MODBUS RTU (RS485)
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
			Date
			Name
			Drawn
			02.08.2022
			Schneid_A
			Reviewed
			03.08.2022
			Rehse_P
02	change length S Motor	Schneid_A	31.08.2022
			Released
			03.08.2022
			Rehse_P
01	added remarks	Rehse_P	17.08.2022
REV	Rev. Text	Name	Date



PD6-E891x95-E-65-5	
20001596	
State: Released	Rev: 02
CONFIDENTIAL	
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