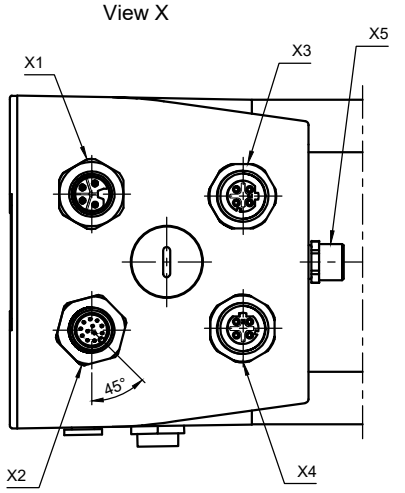
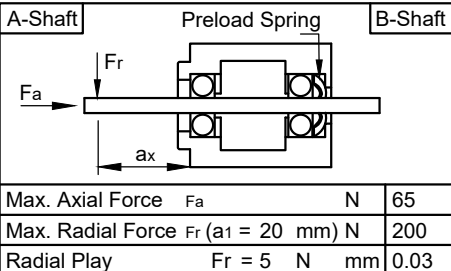
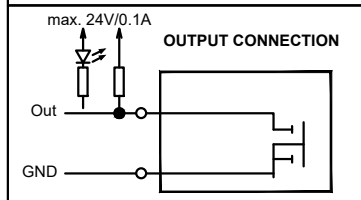
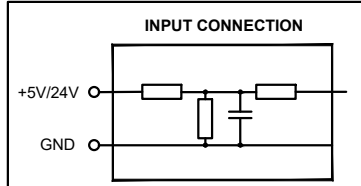


Integrated controller and Encoder

black varnish for IP65 except for shaft output



MOTOR SPECIFICATION						
PD6-E891xxx-x-65-4	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	-	-
Singleturn Encoder Resolution	bit	16	12	16	12	12
Weight	kg	~2.5	~3.7	~5.0		

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

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

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

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)

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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GENERAL MOTOR SPECIFICATION		
Interface	MODBUS TCP	
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	Date
02	change length S Motor	Schneid_A	31.08.2022	Released	02.08.2022	Rehse_P	
01	added remarks	Rehse_P	17.08.2022	Released	02.08.2022	Rehse_P	



PD6-E891x95-x-65-4

20001518

State: Released Rev: 02 CONFIDENTIAL