



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	

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

X4 EtherCAT 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	
cable shield on housing	

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	16	-	16	-	16
Singleturn Encoder Resolution	bit	17	12	17	12	17
Weight	kg	±10% 2.5		±10% 3.8		±10% 5.0

GENERAL MOTOR SPECIFICATION	
Interface	ETHERCAT
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	
05	Ä-NR. 2025-0071	Schneid_A	20.11.2025	Date	Name		
04	correct Label	Schneid_A	08.11.2022	Drawn	09.06.2022	Schneid_A	
03	INFO Label	Schneid_A	12.10.2022	Reviewed	02.08.2022	Rehse_P	
02	change length S Motor	Schneid_A	31.08.2022	Released	02.08.2022	Rehse_P	
01	added remarks	Rehse_P	17.08.2022				
REV	Rev. Text	Name	Date				

PD6-E891x95-x-65-1	
20001513	
State: Released	Rev: 05
CONFIDENTIAL	

