

SED/SBD

• DIGITAL SERVOMOTORS
UP TO 20 NM OR 5 NM TORQUE



FEATURES

MECHANICAL	SED	SBD
Body and cover	Die-cast Aluminum	
Rated torque	4... 20 Nm	3... 5 Nm
Maintenance torque	4... 20 Nm	2.5... 3 Nm
Rotation torque	7.5... 60 s for 90° at 50 Hz	15.30... 60 s at 50 Hz
Rotation Angle	Adjustable – Standard 90°	
Shaft	9.5 mm ² , squared	Ø 10 mm
INPUTS		
Input signal	4... 20 mA or 0... 10 VDC	
OUTPUTS		
Output signal	4... 20 mA or 0... 10 VDC	0... 10 VDC
FUNCTIONAL		
Functioning	Continuous 100%	
GENERAL		
Power supply	24, 115, 230 VAC (50/60 Hz)	
Power consumption	Approx. 7 VA	Approx. 4... 7 VA
Dimensions / Weight	Approx. 2.5 kg	Approx. 1.7 Kg
Cable glands	2 x Pg 13.5	
Mounting	In any position	
Electrical protection	IP54, according to IEC 529 or IP65 optional	
Operating temperature	- 10... +60°C	
ACCESSORIES		
Potentiometer	--	1 aux. potentiometer 1 kΩ
Position indicator	Mechanical	
Microswitches	2 auxiliary adjustable	2 auxiliary adjustable
Auxiliary shaft	Ø 8 mm (max. 3 Nm) or 9.5 mm (max. 3 Nm)	--
Connector	Multipolar for electrical connections	--

HOW TO ORDER

To compose the part number, pls. choose one of the option for each variable

SED	CODE
POWER SUPPLY	
24 VAC $\pm 10\%$ (50/60 Hz)	A
115 VAC $\pm 10\%$ (50/60 Hz)	B
230 VAC $\pm 10\%$ (50/60 Hz)	C
ROTATION TORQUE / RATED TORQUE / STATIC TORQUE	
7.5 a 90° / 4 Nm / 4 Nm	0
15 a 90° / 7 Nm / 7 Nm	1
30 a 90° / 15 Nm / 11 Nm	2
60 a 90° / 20 Nm / 20 Nm	3
FEEDBACK POTENTIOMETER	
Not available	00
1 potentiometer 2.5 k Ω	15
AUXILIARY MICRO	
2 units	2
ACCESSORIES/ CONTROL SIGNALS	
Input 0... 10 VDC, Output 0...10 VDC+contr. +inv.(N)	E1
Input 0... 10 VDC o 4... 20 mA, Output 0...10 VDC+contr. +inv.(N)	E2
Input 0... 10 VDC	E4
Input 4... 20 mA	E5
Input 4... 20 mA, Output 0...10 VDC	E7
Input 4... 20 mA, Output 4... 20 mA	E8
Multipolar connectors + E(N)	MN
Rotation 160° + E(N)	6N
Rotation 180° + E(N)	8N
Auxiliary shaft $\varnothing$ 8 mm + E(N)	1N
Auxiliary shaft 9.5 mm + E(N)	2N
Flange F4 + E(N)	FN
Clockwise rotation + E(N)	DN
IP65 Cable glands + E(N)	ZN

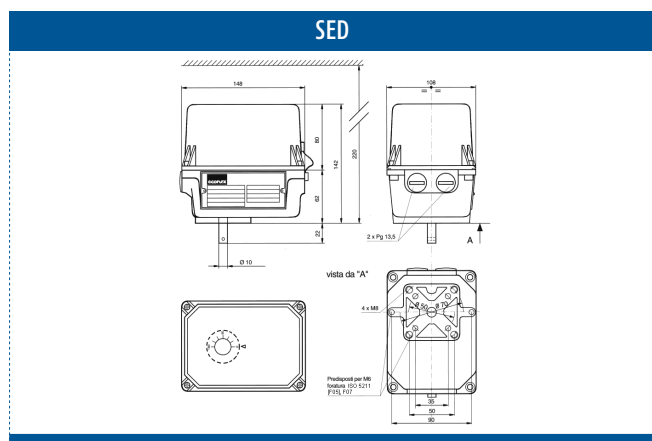
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SBD	CODE
POWER SUPPLY	
24 VAC $\pm 10\%$ (50/60 Hz)	A
115 VAC $\pm 10\%$ (50/60 Hz)	B
230 VAC $\pm 10\%$ (50/60 Hz)	C
ROTATION TORQUE / RATED TORQUE / STATIC TORQUE	
15 a 90° / 3 Nm / 2.5 Nm	1
30 a 90° / 3 Nm / 2.5 Nm	2
60 a 90° / 5 Nm / 3 Nm	3
AUXILIARY FEEDBACK POTENTIOMETER	
Not available	00
1 potentiometer 1 k Ω	13
AUXILIARY MICRO	
2 units	2
ACCESSORIES/ CONTROL SIGNALS	
Input 0... 10 VDC o 4... 20 mA, Output 0...10 VDC+contr. +inv.(N)	E2
Input 0... 10 VDC	E4
Input 4... 20 mA	E5
Mechanical position indicator on the cover + E (N)	ON
Rotation 180° + E(N)	8N
Clockwise rotation + E(N)	DN
IP65 Cable glands + E(N)	ZN

Note: on the auxiliary shaft the max. torque is 3 Nm to be subtracted to the rated torque.

DIMENSIONS



DIMENSIONS

