



Technical Specifications	ERC10 BISS / SSI	ERC10 SineCosine
Interface	BISS / SSI (up to 10 Mhz)	not applicable
Clock input	via full duplex I.C	
Clock frequency	20 kHz up to 10 MHz	
Data output driver	RS485 transceiver type	
Data output code	gray or binary	
Supply voltage	5 - 20VDC \pm 5%	
Current consumption	130 mA max.	130 mA max. (without load)
Resolution	13 bit (up to 21 for BISS)	2048 ppr.
Output circuit	BISS / SSI interface	analogue
Pulse frequency	< 200 kHz	
Working principle	Optical	
Accuracy	< \pm 40"	
Incremental channels	A, A inv. B, B inv. (sine 1 Vpp)	A, A inv. B, B inv. / 2048 ppr. (sine 1 Vpp)
Absolute channels	not applicable	C, C inv. D, D inv. / 1 ppr. (sine 1 Vpp)
Flange	special motor feedback flange	
Case diameter	Ø56mm	
Shaft diameter	cone 1/10	
Shaft axial / radial loading	30N max.	
Starting torque	0,17 Ncm min.	
Electrial connections	18 pin pcb type connector or DB15 connector with 20cm cable	
Weight	340 gr. (without cable)	
Shock	100 g, 5 ms	
Vibrations	10 g, 5-2000 Hz	
Protection	IP47	
Operating temperature range	-20°C+85°C	
Storage temperature range	-20°C+85°C	