

MG550 - SERIES



MAGNETIC INCREMENTAL ENCODER Ø 30 MM

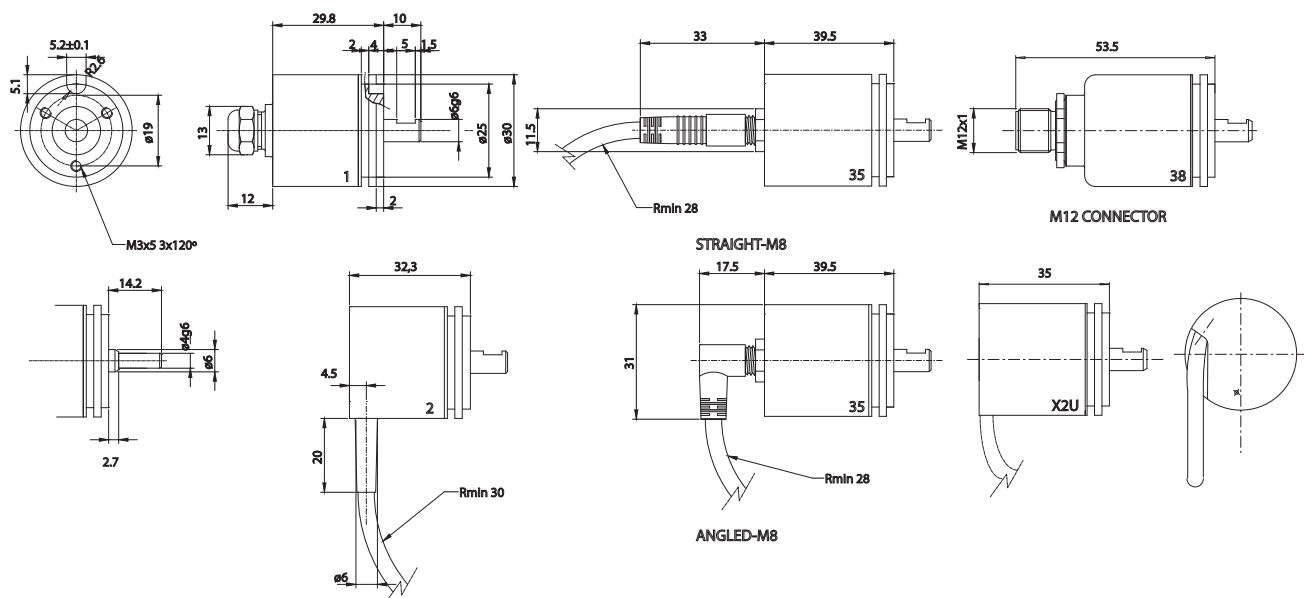
Encoder with synchro flange and 3 mounting holes M3

- Ø 30 mm
- 4 mm solid shaft without face or 6 mm with face
- Enlarged sturdy bearings
- Short circuit and reversed polarity proof
- Ingress protection up to IP67, depends on connection
- Standard: 7-35V Power Supply, 100kHz
- Option: Marker Pulse,
Inverted Signals
Customization upon request



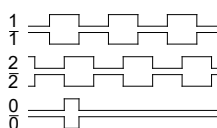
*Flexible and durable
encoder for demanding
applications*

MG550



Supply voltage	Vcc 7-35 V
Current consumption	Max 40 mA without load
Output circuit	Linedriver RS422A compatible
Low level output volt.	Max <0,5 V at 20 mA load and 20°C
High level output volt.	Min >Vcc-1V at 20mA load and 20°C
Short circuit protected	Yes
Polarity protected	Yes
Transient protected	Yes
Max load	70 mA

CCW rotation seen
from shaft end



Max frequency	100 kHz
Operating temperature	-40° to +80°C

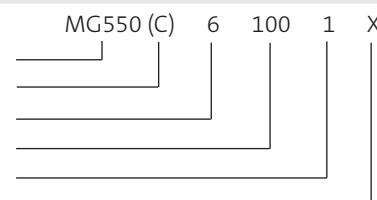
Housing	Aluminum, electrically conductive for increased interference protection	
Sealing	IP67 dust and waterproof (IP66 at shaft outlet)	
Bearings	Permanently greased	
Bearing load at	1 000 rpm	
Radial	30 N	Gives 50 000 hrs
Axial	30 N	bearing life
Max rpm	3 000 (12 000)	
Vibration	20g 20-2000 Hz	
Shock	200g at 11 ms	
Weight	Approx. 300 gr (without cable)	

1x	Axial cable, TP/PUR	35	Axial 5-pin male M8
2x	Radial cable, TP/PUR	38	Axial 8-pin male M12
1xU	Axial cable, Unitronic	38V	Axial 8-pin male M12
X2U	Axial/Radial, 1m Unitronic		

	1x,2x	(C)1x,2x	1xU, X2U	35	38	38V
1	Green	Green	Green	3	3	3
1 inv	White	-	-	-	1	-
2	Yellow	Yellow	Yellow	4	4	4
2 inv	Grey	-	-	-	5	-
0	Brown	Brown	Grey	5	2	2
0 inv	Pink	-	-	-	6	-
+ V	Red	Red	Brown	1	8	8
0 V	Blue	Blue	White	2	7	7
Gnd	Screen	Screen	-	Chassi	Chassi	Chassi
Status	-	Pink	-	Gray	-	6

M8SR5-5, female straight screw connector, 5m cable
M8SV5-5, female angled screw connector, 5m cable

Model
Status output
Shaft 4 or 6 mm
Pulserate 1-1024
Connection
X= meter cable



Skogsvägen 1, SE-645 34 Strängnäs, Sweden
Tel: +46 152 33 11 90. Fax: +46 152 33 11 91
E-mail: info@emetaencoders.com
www.emetaencoders.com