



MA550

HEAVY DUTY INKREMENTELL GIVARE Ø 30 MM

Encoder with synchroflange and 3 mountingholes M3

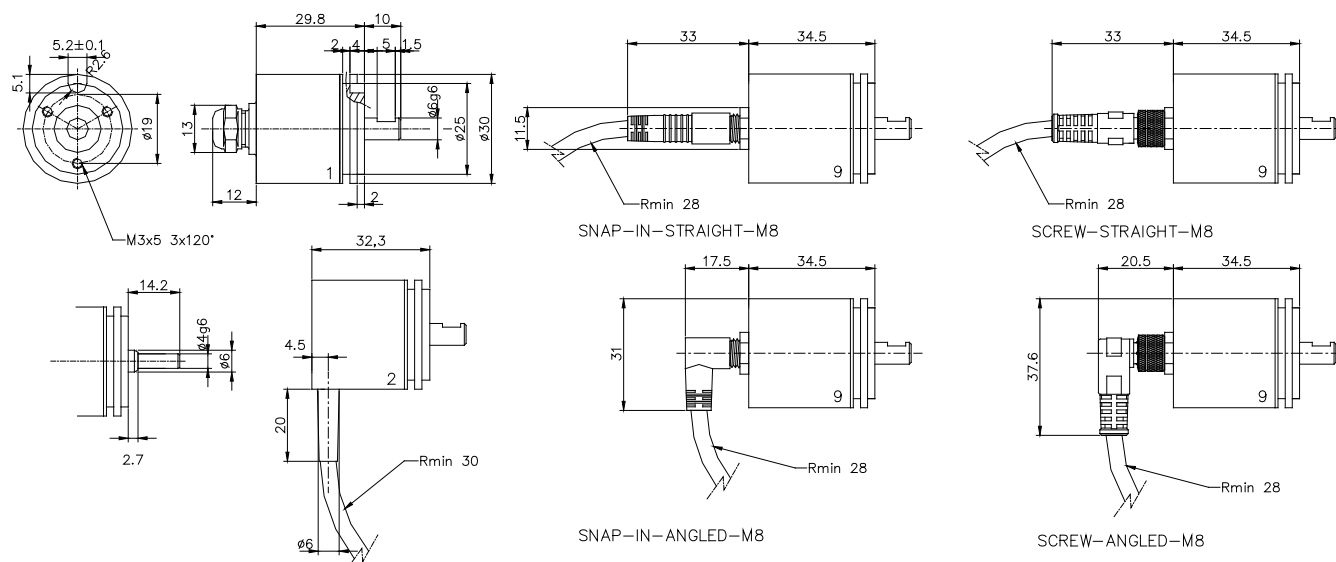
- Ø 30 mm
- 4 mm solid shaft without face or 6 mm with face
- Enlarged sturdy bearings
- Short circuit and reversed polarity proof
- Ingress protection to IP67
- Standard: 5-30V power supply, 300KHz
2 square wave signals
Marker pulse, and inverted signals
- Option: 5V power supply, 300 KHz
Customization upon request



*Flexible and durable
encoder for demanding
applications*

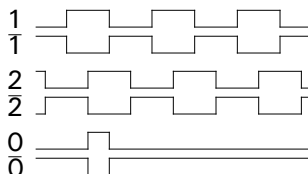


Conforms to european EMC directive 89/336/EEC
standards:
EN61000-6-4 emission in industrial environments,
EN61000-6-2 immunity in industrial environ



Supply voltage	Vcc 5–30 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



Dividing error max	$\pm 50 \text{ el}^\circ$
Channel separation	$90 \pm 25 \text{ el}^\circ$
Max frequency	300 KHz
Operating temperature	$-40^\circ \text{ till } +80^\circ \text{C}$

Housing	Aluminum, electrically conductive for increased interference protection
Sealing	IP67 dust and splash proof (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
Chock	200g vid 11 ms
Weight	ca: 60 gr (without cable)

1	Axial cable, 1 m	35	Axial 5-pin male M8
2	Radial cable, 1 m	35L	Axial 5-pin male M8 + LED
X2	Axial/Radial, 1m	38	Axial 8-pin male M12

	Cable 1-2	M8 5-pin	M12 8-pin
1	Green	3	3
1inv	White	-	1
2	Yellow	4	4
2inv	Black	-	5
0	Brown	5	2
0inv	Violet	-	6
+V	Red	1	8
0V	Blue	2	7
Gnd		Chassi	Chassi

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

Model _____ MA550 6 100 1 X
 Shaft 4 or 6 mm _____
 Pulse rate 1-1 250 _____
 Connection _____
 X= meter cable _____



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