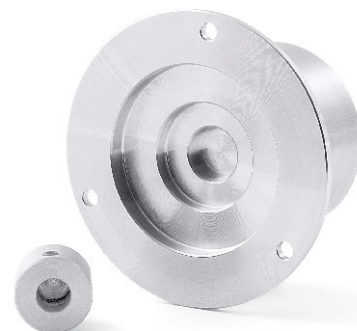


- Shaftless & bearingless encoder
- Absolute sensing
- Zero-setting function
- IP67 or IP68 protection with sealed circuits



MSK36

ENVIRONMENTAL SPECIFICATIONS

Shock:	250 g, 6 ms acc. to CEI EN 60068-2-27
Vibrations:	10 g, 5-2000 Hz acc. to CEI EN 60068-2-6
Protection:	IP67
Operating temperature range:	-20°C +85°C (-4°F +185°F)
Storage temperature range:	-20°C +85°C (-4°F +185°F) (98% R.H. without condensation)
Option:	• IP68 protection with sealed circuits

MECHANICAL SPECIFICATIONS

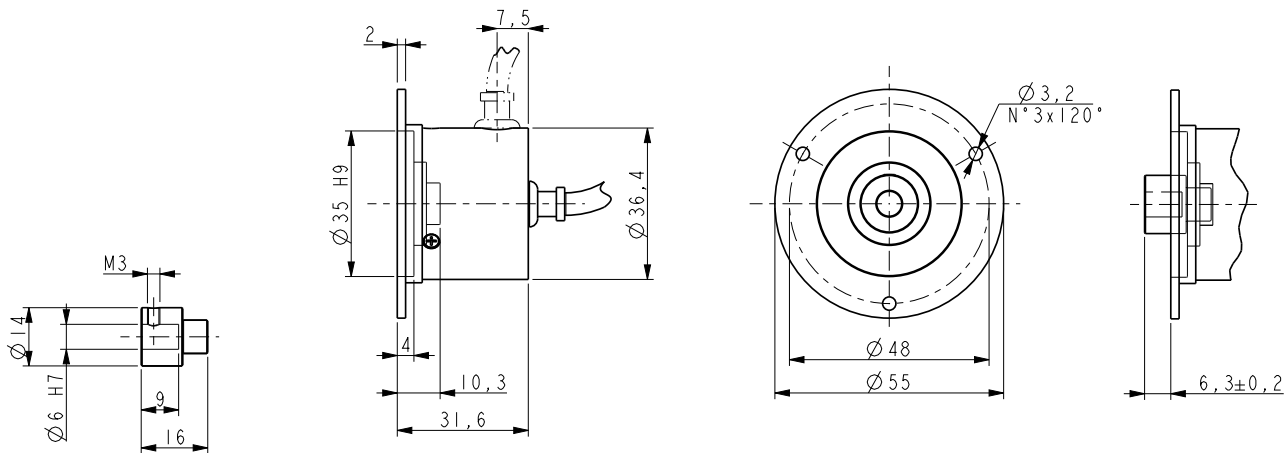
Dimensions:	see drawing
Hollow shaft diameter:	Ø 6, 8, 10 mm
Shaft rotational speed:	12000 rpm max. (mechanical)
Axial runout:	±0,1mm (for best electrical performance)
Radial runout:	±0,2mm (for best electrical performance)
Electrical connections:	M12 8 pin inline plug or cable output 1 m (3.3 ft)
Weight:	~ 50 g (1,7 oz)
Option:	• additional cable

ELECTRICAL SPECIFICATIONS

Resolution:	8192
Accuracy:	± 1°
Output circuits:	SSI, 13 clock max. 1 MHz
Power supply:	+10Vdc +30Vdc
Power consumption:	30 mA max.
Protection:	against inversion of polarity and short-circuit
EMC:	electro-magnetic immunity, according to: EN-61000-4-2 EN-61000-4-4
Functions:	• Counting direction (input) • Electronic zero setting (input)

MATERIALS

Flange:	anticorodal, UNI EN AW-6082
Housing:	anticorodal, UNI EN AW-6082
Shaft:	anticorodal, UNI EN AW-6082



MSK36

Order code

MSK36	XX-XX (a)	-	XXX (b)	-	XX (c)	-	X (d)	X (e)	-	X (f)	XXXX (g)	/Sxxx (h)
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(a) RESOLUTIONS (BIT SINGLETURN - BIT MULTITURN) 13-00 = 8192 counts/rev.	(c) SHAFT DIAMETER 06 = 6 mm 08 = 8 mm 10 = 10 mm	(e) OPERAT. TEMP. RANGE T = -25°C +85°C (-13°F +185°F)	(g) CONNECTIONS L010 = cable output 1 m (standard) L020 = cable output 2 m Lxx0 = cable out. x m (max. length 10m) M005 = 0,5 m cable + M12 8 pin inline plug M020 = 2 m cable + M12 8 pin inline plug
(b) OUTPUT CIRCUITS / POWER SUPPLY BS2 = Binary, SSL, +10Vdc +30Vdc GS2 = Gray, SSL, +10Vdc +30Vdc	(d) PROTECTION J = IP67 M = IP68 (with sealed circuits)	(f) CONNECT. POSITION A = axial R = radial	(h) CUSTOM VERSION

Document release	Date	Description
1.0	13.04.2026	New order code, obsolete MMK36 series