

RV-1024-I05/K

Technical drawing of a mechanical part, showing a top view (left) and a side view (right).

Top View (Left):

- Overall diameter: $\varnothing 48$
- Feature 1 (Point 1) is located at the top center.
- Feature 2 (Point 2) is located at the top right.
- Angular dimensions: 120° and 60° .

Side View (Right):

- Overall width: $46^{+1.5}$
- Overall height: $\varnothing 58$
- Internal features and dimensions:
 - Top flange thickness: 10
 - Internal step diameter: $\varnothing 10$
 - Internal step diameter: $\varnothing 36^{+8}$
 - Internal step diameter: $\varnothing 19.5$
 - Internal step diameter: $\varnothing 1.5$
 - Bottom flange thickness: 26

- CE 

Resolusi	1024 resolusi
Desain poros	poros solid
Diameter poros [mm]	10

Prinsip fungsi	inkremental
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Toleransi tegangan pengoperasian	[%]	10
Tegangan pengoperasian	[V]	5 DC
Konsumsi arus	[mA]	150

Desain kelistrikan	TTL
Beban arus maks. per output [mA]	20
Frekuensi peralihan [kHz]	300
Perbedaan fase A dan B [°]	90

Resolusi	1024 resolusi
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Suhu sekitar	[°C]	-30...100
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Encoder inkremental dengan poros solid

RV-1024-I05/K

Suhu penyimpanan	[°C]	-30...100
Kelembapan udara relatif maks.	[%]	98
Perlindungan		IP 64

Pengujian/persetujuan

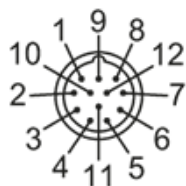
Tahan guncangan		100 g (6 ms)
Ketahanan terhadap getaran		15 g (55...2000 Hz)

Data teknis

Berat	[g]	397.4
Dimensi	[mm]	Ø 58 / L = 75.5
Material		aluminium
Putaran maks., mekanis	[U/min]	12000
Torsi awal maks.	[Nm]	1
Torsi suhu referensi	[°C]	20
Desain poros		poros solid
Diameter poros	[mm]	10
Material poros		baja (1.4104)
Beban poros aksial maks. (di ujung poros)	[N]	10
Beban poros radial maks. (di ujung poros)	[N]	20

Koneksi listrik

Konektor: 1 x M23 (ifm 1001.4), radial



1	B dibalik
2	L+ sensor
3	indeks 0
4	indeks 0 dibalik
5	A
6	A dibalik
penutup	casing
7	kegagalan dibalik
8	B
9	n.c.
10	0V (Un)
11	0V sensor
12	L+

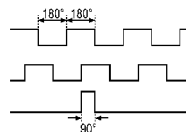


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Diagram dan grafik

Diagram pulsa



arah putaran searah jarum jam (menghadap poros)