

Interface

Differential signals	no
Error signal	no
Interface	Digital A/B (HTL)
Reference signal	without reference signal
Signal sequence	A before B = rising

Material

Cable flame-resistant	UL758/UL1581
Housing material	PBT
Material jacket	PUR

Mechanical data

Dimension	10 x 25 x 35 mm
Lateral offset (Y)	±4 mm
Mounting part	Through-hole 3.5 mm
Pitch max.	±1.0 °
Pole width	10 mm
Procedure direction	Lengthwise to tape
Roll max.	±3.0 °
Weight	11 g (excluding cable)
Yaw max. ±	3.0 °

Range/Distance

Edge separation min.	16 µs
Interpolation factor	100
Non-linearity max.	±400 µm (z=1...5 mm, y=±2 mm)
Non-linearity typ.	±550 µm (z=0.01...6.5mm, y=±4mm)
Read distance	0.01...6.5 mm
Repeat accuracy	≤ 100 µm
Resolution	100 µm (edge separation A/B)
Traverse speed max.	4.88 m/s

Wiring Diagrams

Color	Signal
WH	+A
BN	NC
GN	+B
YE	NC
GY	NC

Color	Signal
PK	NC
BU	GND
RD	V DC
Shield	Shield