

# TRD-GK120-RZD Cut Sheet



Koyo TRD-GK series incremental (quadrature) rotary encoder, heavy duty, 10-30 VDC, axial exit, push-pull (totem) output, 120 ppr, 10mm solid shaft, 78mm diameter body, IP65, 6.5ft/2m cable length, pigtail.

For complete product information, please see this item on our store at the following link:



<https://www.automationdirect.com/pn/TRD-GK120-RZD>

## Technical Specifications

<b>Brand</b>	Koyo
<b>Item</b>	Encoder
<b>Series</b>	TRD-GK
<b>Feedback Type</b>	Incremental (quadrature)
<b>Encoder Type</b>	Rotary
<b>Duty Rating</b>	Heavy duty
<b>Voltage Rating</b>	10-30 VDC
<b>Exit Orientation</b>	Axial
<b>Encoder Output Type</b>	Push-pull (totem)
<b>Encoder Resolution</b>	120 ppr
<b>Shaft Type</b>	Solid
<b>Shaft Diameter</b>	10mm
<b>Radial Shaft Load</b>	100N

<b>Axial Shaft Load</b>	50N
<b>Frequency Response</b>	100 kHz
<b>Speed Rating</b>	5000rpm
<b>Flange Mount</b>	No
<b>Encoder Body Diameter</b>	78mm
<b>Housing Material</b>	Aluminum
<b>IP Rating</b>	IP65
<b>Protection Type(s)</b>	short circuit (between each output and common)
<b>Cable Length</b>	6.5ft/2m
<b>Cable Diameter Size</b>	6mm
<b>Wire Size</b>	24 AWG
<b>Connector Type</b>	Pigtail
<b>Includes</b>	Mounting hardware

## Agency Approvals

<b>UL Listed File #</b>	E189395
<b>UL Recognized File #</b>	None
<b>UL Hazardous File #</b>	None
<b>CSA File #</b>	None
<b>RoHS Status</b>	No
<b>EU REACH</b>	<a href="#">View EU REACH document</a>

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/TRD-GK120-RZD.pdf>  
See store item page for other formats.