

# TRD-NH300-RZWD Cut Sheet



JTEKT TRD-N series incremental (quadrature) rotary encoder, 5-30 VDC, push-pull (totem) output, medium duty, 300 ppr, 8mm hollow shaft, 50mm diameter body, IP65, 6.5ft/2m cable length, radial exit, pigtail.

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



<https://www.automationdirect.com/pn/TRD-NH300-RZWD>

## Technical Specifications

|                     |                          |
|---------------------|--------------------------|
| Brand               | JTEKT                    |
| Item                | Encoder                  |
| Series              | TRD-N                    |
| Feedback Type       | Incremental (quadrature) |
| Encoder Type        | Rotary                   |
| Voltage Rating      | 5-30 VDC                 |
| Encoder Output Type | Push-pull (totem)        |
| Duty Rating         | Medium duty              |
| Encoder Resolution  | 300 ppr                  |
| Shaft Type          | Hollow                   |
| Shaft Diameter      | 8mm                      |
| Radial Shaft Load   | 50N                      |
| Axial Shaft Load    | 30N                      |

|                       |                                                |
|-----------------------|------------------------------------------------|
| Frequency Response    | 100 kHz                                        |
| Speed Rating          | 3000rpm                                        |
| Flange Mount          | No                                             |
| Encoder Body Diameter | 50mm                                           |
| Housing Material      | Aluminum                                       |
| IP Rating             | IP65                                           |
| Protection Type(s)    | short circuit (between each output and common) |
| Cable Length          | 6.5ft/2m                                       |
| Cable Diameter Size   | 6.4mm                                          |
| Wire Size             | 24 AWG                                         |
| Exit Orientation      | Radial                                         |
| Connector Type        | Pigtail                                        |

## Agency Approvals

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

## Dimensional Drawings



2D Drawing PDF Link:  
<https://cdn.automationdirect.com/static/drawings/TRD-NH300-RZWD.pdf>  
See store item page for other formats.