



User Manual

TORS-032 / 064 / 128 Optical Rack Splitter

Article		Article no.
TORS-032	TORS-032-064-128 Optical Rack Splitter	307931
TORS-064		307932
TORS-128		307933
Version	V2.0	Date 2025/07 EN

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1 Safety Instructions



Read these instructions carefully before connecting the unit

ATTENTION

- Failure to comply with the specified precautionary measures may cause serious injury to persons or damage to property.
- The assembly, installation, additional electrical wiring, servicing and commissioning may only be performed by suitably qualified persons, technicians or installers in compliance with safety regulations.
- Damage due to improper installation and commissioning, defective connectors on cables or any other incorrect handling will void the warranty.

To prevent fire, short circuit or shock hazard:

- Do not expose the unit to rain or moisture.
- Install the unit in a dry location without infiltration or condensation of water.
- Do not expose it to dripping or splashing.
- Do not place objects filled with liquids, such as vases, on the apparatus.
- If any liquid should accidentally fall into the cabinet, disconnect the power plug.

Warning

To avoid exposure to laser radiation from optical fibre or active optical devices like transmitters or receivers which pose a hazard to your health, you should:




- Never look into an exposed end of an optical fibre or mirror surfaces that could reflect light from an open optical fibre.
- Never look into an optical fibre connected with the radiation source with optical instruments (magnifying glass, microscope, etc...).
- Use an approved fibre optic cable to maintain conformity with applicable laser safety requirements.

Concerning fibre optic cables:

- Wearing protective goggles is recommended.
- You should handle fibre optic cables with extreme caution, particularly when unbundling or terminating a cable. The internal glass core of a fibre optic cable is brittle when the shielding and buffer material is removed. It will easily disintegrate into small pieces which may cause injury to the human body.
- Remove all filings immediately using tweezers, place them in a tightly sealed dustbin and dispose in accordance with local regulations.



Maintenance

-  Only use a dry soft cloth to clean the cabinet.
-  Do not use solvent.
-  For repairing and servicing, refer to qualified personnel.



Dispose according to your local authority's recycling processes

Electronic devices should never be disposed of in the household rubbish. In accordance with directive 2002/96/EC of the European Parliament and the European Council from January 27, 2003 which addresses old electronic and electrical devices, such devices must be disposed of at a designated collection facility. At the end of its service life, please take your device to one of these public collection facilities for proper disposal.

2 Introduction

2.1 Product description

The TRIAX TORS-032, TORS-064 and TORS-128 are 19" Rack Mount optical PLC splitters with SC/APC connectors.

Main features include:

- Low insertion loss
- Low PDL
- Compact design
- Good channel-to-channel uniformity
- Wide operating wavelength: from 1260nm to 1650nm
- High reliability and stability
- Three variants: 32, 64 and 128 outputs

2.2 Installation

Preparation before installation:

- **Observe instructions given at chapter 1**
- Please ensure the interface of the fibre is clean before connecting the fibre
- If needed, clean the fibre connector with the correct tool

3 Technical Specifications

Items	Unit	Value		
Item name	-	TORS-032	TORS-064	TORS-128
Article No.	-	307931	307932	307933
EAN Code	-	5061038085303	5061038087680	5061038087697
Product type	-	Optical PLC splitter		
Splitting ratio	-	1 X 32	1 X 64	1 X 128
Operating wavelength	nm	1260~1650		
Connector	-	SC/APC		
Insertion loss typical	dB	16.6	20.1	24.5
Insertion loss max.	dB	17.1	20.8	25.5
Uniformity (Max.)	dB	1.5	2.0	2.6
PDL (Max.)	dB	0.3	0.5	0.8
Return loss	dB	≥55		
Directivity	dB	≥55		
Fibre type	-	G657A with Ø0.9mm cable		
Operating & storage temperature	°C	-40 ~ +85		
Dimension (L x W x H)	mm	480 x 210 x 44		
Weight (Net)	kg	2.29	2.49	2.89

4 EU Declaration of Conformity

The product Declaration of Conformity can be downloaded from the product page at www.triax.com

5 Conditions of warranty

TRIAX UK warrants the product as being free from defects in material and workmanship for a period of 24 months starting from the date of production indicated on it. See note below.

If during this period of warranty, the product proves defective, under normal use, due to defective materials or workmanship, TRIAX UK, at its sole option, will repair or replace the product. Return the product to your local dealer for reparation.

THE WARRANTY IS APPLIED ONLY FOR DEFECTS IN MATERIAL AND WORKMANSHIP AND DOES NOT COVER DAMAGE RESULTING FROM:

- Misuse or use of the product outside of its specifications,
- Installation or use in a manner inconsistent with the technical or safety standards in force in the country where the product is used,
- Use of non-suitable accessories (power supply, adapters...),
- Installation in a defective system,
- External cause beyond the control of TRIAX UK such as drop, accidents, lightning, fire, ...

THE WARRANTY IS NOT APPLIED IF

- Production date or serial number on the product is illegible, altered, deleted or removed.
- The product has been opened or repaired by a non-authorized person.

NOTE

Date of production can be found in the product's serial number code. The format is "YYWW123456 (YEAR, WEEK, 123456 product unique number), e.g. 2532000020 = year 2025 week 32, product No.20 of this batch.

