

## Ruggedized protection for any situation: The Rail Distribution Box

In rough conditions, occurring in industrial or outdoor areas, high quality fiber optical connections are needed despite the mechanical and climatic stress.

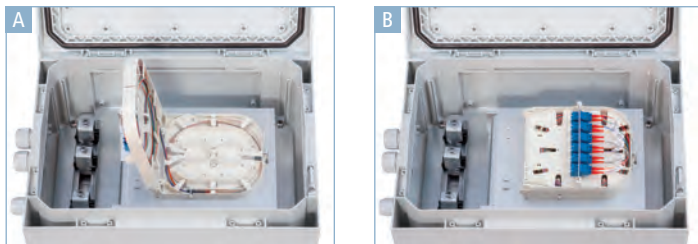
For this purpose, Telegärtner has developed the train approved distribution box, called RDB. Because of its tested reliability against vibrations and shocks and also heat, coldness and humidity, the RDB is perfectly suited for use in harsh environments.

Besides its robust housing including the IP66 protection and UV resistance according to UL 508, a hinged splice cassette is mounted onto the RDB, which enables easy assembly and maintenance **A**. Different front plates are available to meet your demands - being able to store pigtailed with all common connectors and fibers **B**. Moreover, the splice cassette enables up to 24 splices. Via the three cable glands, cables of different outer diameters **C** can be fed in or out.

If the box needs to be fixed to a signal mast, an additional adapter plate is available which can be mounted onto the distribution box.



RDB equipped with 6 LC Duplex adaptors and 12 OS2 pigtailed



Hinged splice cassette for easy assembly



Robust housing with three cable entry points and swivel lever

### Technical details:

- Complies with climatic test EN 60068-2-1/2/14/130
- Complies with vibration test EN 60068-2-64
- Complies with shock test EN 60068-2-27
- Degree of protection: IP 66
- Housing material: PC IK 08
- Housing colour: light grey, RAL 7035
- UV resistance: UL 508
- Housing flammability: UL 94 5VA
- Cable entry points: 2x M25 cable glands (ø 9-16 mm), 1x M20 cable gland (ø 5-9 mm)
- Housing dimensions: 400x300x150 mm
- Number of splices: max. 24
- Mounting cutout for adaptors : SC, LC, E2000, ST
- Swivel lever can be equipped with profile half cylinder
- Optional fixing of optical couplers (PLC/FBT) or xWDM (filter/FBT)
- Not included in delivery: splice protector and holder

RDB Rail Distribution Box		
Order No.	Description	Remarks
H02050A0339	RDB distribution box	6x LC-D + Pigtailed OS2 <span style="float: right;">Further versions on request</span>

Assembly		
Order No.	Description	Remarks
H02026A0008	Adapter plate	For mast attachment
F08000A0002	Splice holder for 12x crimp splice protectors	System Telekom
F08000A0008	Splice holder for 6x shrink splices	for ø 3 mm