

IBS RL 24 OC-LK-2MBD

Order No.: 2732499

The illustration shows version IBS RL 24 OC-LK




<http://eshop.phoenixcontact.de/phoenix/treeViewClick.do?UID=2732499>

Repeater for signal monitoring and amplification for INTERBUS; fiber optic technology with 500 kbaud, divides the system into segments, thus enabling individual branches to be switched off during operation



Commercial data

| | |
|--------------------------|--|
| GTIN (EAN) |  4 017918 187095 |
| sales group | K523 |
| Pack | 1 pcs. |
| Customs tariff | 85389091 |
| Catalog page information | Page 411 (AX-2009) |

Product notes

WEEE/RoHS-compliant since:
12/07/2009



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Technical data

General data

| | |
|--------|--------|
| Width | 127 mm |
| Height | 67 mm |
| Depth | 71 mm |

| | |
|--|--|
| Weight | 640 g |
| Mounting type | Wall mounting |
| Ambient temperature (operation) | 0 °C ... 55 °C |
| Ambient temperature (storage/transport) | -25 °C ... 70 °C |
| Permissible humidity (operation) | 100 % |
| Permissible humidity (storage/transport) | 95 % (no condensation) |
| Air pressure (operation) | 860 hPa ... 1080 hPa (up to 1500 m above mean sea level) |
| Air pressure (storage/transport) | 660 hPa ... 1080 hPa (up to 3500 m above mean sea level) |
| Degree of protection | IP67, when screwed together |
| Protection class | III, IEC 61140, EN 61140, VDE 0140-1 |
| Air and creepage distances | According to EN 50178: 1998 |

Interface

| | |
|--------------------|--------------------------------------|
| Fieldbus system | INTERBUS |
| Name | Remote bus |
| Type of connection | IP67-RL connector with FO connection |
| Transmission speed | 2 MBaud |

Power supply for module electronics

| | |
|----------------------|---|
| Supply voltage | 24 V DC |
| Supply voltage range | 18.5 V DC ... 32 V DC (including ripple) |
| Ripple | Max 3.6 V _{pk-pk} within the permissible voltage range |
| Current consumption | Typ. 80 mA |

Certificates / Approvals



Certification CUL, UL

Accessories

| Item | Designation | Description |
|-----------------|-------------|---------------------------------------|
| Assembly | | |
| 2731128 | IBS RL AP | Mounting plate for Ruggedline devices |

| | | |
|------------------------|------------------------------|---|
| 2819969 | IBS RL PROT-LK | Transport protection for optic fiber bus connection |
| Cable/conductor | | |
| 2820000 | IBS PWR/5 | Power supply cable, gray, welding-splash-resistant in standard applications, 5 x 1.5 mm ² , sold by the meter |
| 2731775 | IBS PWR/5HD/F | Power supply cable, gray, welding-splash-resistant in standard applications, 5 x 1.5 mm ² , highly stranded, sold by the meter |
| 2819956 | IBS RL CABLE POF/ | Assembled cable sets with fiber optic bus connectors, sold by the meter |
| 2733029 | IBS RL CONNECTION-LK | Assembled cable jumper as a short connection between two INTERBUS Rugged Line devices with fiber optic bus connectors and power supply, approximately 30 cm |
| 2744319 | PSM-LWL-KDHEAVY-980/1000 | Polymer fiber cable, duplex 980/1000 µm, medium-weight version for permanent indoor installation, by the meter, without connector |
| 2744322 | PSM-LWL-RUGGED-980/1000 | Polymer fiber cable, duplex, 980 µm/1000 µm, heavy version for permanent indoor installation, sold by the meter without connectors |
| 2744335 | PSM-LWL-RUGGED-FLEX-980/1000 | Polymer fiber cable, duplex 980/1000 µm, heavy-weight, highly flexible version for flexible conduit applications, by the meter, without connector |
| General | | |
| 2743705 | IBS RL SYS PRO UM | User manual, German, for configuring and installing the Rugged Line product range, only available as a download. |
| Marking | | |
| 2734727 | IBS RL MARKER-G-SET | 100 large metal marking labels |
| 2734730 | IBS RL MARKER-K-SET | 100 small metal marking labels |
| 2732729 | IBS RL MARKER-SET | Set of 50 small and 50 large metal marking labels |
| Plug/Adapter | | |
| 2780878 | IBS CCO-PSF/L | M23 power supply connector, female connector, 6-pos. |
| 2759906 | IBS CCO-PSM/L | M23 power supply connector, male connector, 6-pos. |
| 2759883 | IBS CCO-R/L | M23 solder connection for bus connector set, male/female connector, 9-pos. (8+1) |
| 2732635 | IBS OPTOSUB-MA/M/R-LK-OPC | INTERBUS fiber optic converter for converting the remote OUT interface to fiber optics, correction of the optical transmission capacity, FO output right |
| 2725040 | IBS RL 24 ADAP-LK/T | INTERBUS Rugged Line adapter for converting the fiber optic remote bus to a copper wire remote bus |
| 2725037 | IBS RL 24 ADAP-T/LK | INTERBUS Rugged Line adapter for converting the copper wire remote bus to a fiber optic remote bus |
| 2731076 | IBS RL PLUG-LK/POF | Connector for the fiber optic bus with polymer fiber cable and for the power supply with screw connection method |

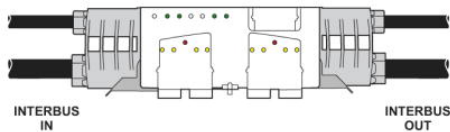
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|---------|------------------------|--|
| 2734183 | IBS RL PLUG-LK/POF-F | Connector for the fiber optic bus with polymer fiber cable and for the power supply with spring-cage connection method |
| 1683455 | SAC-3P-M12Y/2XM12FS PE | Y-distributor, 3-pos. +PE, straight connector M12 on 2 x straight socket M12 |

Tools

| | | |
|---------|-------------------|--|
| 2725121 | IBS RL ADAP FO | Measuring device adapter for INTERBUS Rugged Line devices |
| 2725147 | IBS RL FOC | Fiber cutter for assembling polymer fiber cables for connecting INTERBUS Rugged Line devices |
| 1206146 | KAMES LWL | Cable knife for polymer fiber, for external sheath |
| 2799539 | PSM-FO-POWERMETER | Fiber optic measuring case, consisting of an optical power meter, F-SMA, B-FOC adapters, reference fibers and operating instructions |
| 2744131 | PSM-POF-KONFTOOL | Polymer fiber DIY case, consisting of: Stripping knife, stripping pliers, polishing wheels for F-SMA and SCRJ quick mounting connectors, polishing pad and emery paper |

Diagrams/Drawings

Connection diagram



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