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205 Series

Configurable sealed relay sockets



Key features and benefits

- Relays from 5 to 25A in 1 to 6 reversers
- Dielectric withstanding voltage (standard pressure): 1,500 V rms
- Dielectric withstanding voltage (under 80 mbar): 500 V rms
- Insulation resistance > 1,000 MOhm
- Sealing: down to 120 mbar
- Vibration: 10 to 200 Hz under 20 g
- Various mounting configurations

Description

Designed to withstand harsh environments, the 205 series offers a wide range of sealed relay sockets.

These sockets accept 5, 10, 15, and 25 A relays in 1, 2, 3, 4, and 6 reversers; either with or without magnetic latch and/or temporisation. They are available with several coding and mounting configurations.

Sealing is ensured by a silicon gasket at rear side.

Dimensions and features of the sockets are those of the MIL-S 12883.

SQ Series

Lever Lock Connector



Key features and benefits

- Available in 29, 38, 44 and 52 contacts.
- Cable extension variations: Vertical/horizontal/diagonal 45° correspondence in 3 directions.
- Equipped with a mis-mating prevention key as standard. Available for 35 combinations.
- Adopts a pin bending prevention/falling-off prevention mechanism and a locking latch/lever lock mechanism by invoking 4 points.
- Secure and smooth attachment/detachment without restriction on pin layout
- Contacts: RC/RCS/RM which is proven in the railway industry are available as Common contact.

Description

- Lever lock connector for railway vehicles
- Same as MB series, it can be used on various equipment by clearing the vibration and impact tests of railway vehicle products.
- Domestic railcar electric wire compatible with WL1 electric wire 1.25mm² (29, 38, 44 pos) Compatible with WL1 electric wire 2mm² (38 pos)

Technical data

Operating temperature range: -55°C ~ +125°C

Insulation resistance: More than 5000MΩ

Dielectric Withstanding Voltage: A.C.2000V (1minute)

Durability: 500 matings and unmatings

Vibrations: JIS-E-4031 Level B

Storage temperature/humidity: JIS-C-0028

Dynamic salt spray: JIS-C-0023

Flammability: EN45545-2

DRW series

High-reliability, High-Durability Rack Drawer Connector



Key features and benefits

- Available in 25 and 50 contacts
- Contacts: RC/RCS/RM which is proven in the railway industry are available as Common contact.

Description

- High reliability and durability brack drawer connector ideal for connecting between units.
- Board dip variation is available.

Technical data

Operating temperature range : -55°C~ +125°C

Insulation resistance : More than 5000MΩ

Dielectric Withstanding Voltage : A.C.2000V (1minute)

Durability : 500 matings and unmatings

Storage temperature/humidity : JIS-C-0028

Dynamic salt spray : JIS-C-0023

MJ series

Junction Connector



Key features and benefits

- A rectangular connector that enables signal branching.
- 51 contacts of input signal can be branched to 102 contacts when output.
- One-action fitting/removal and locking are possible by lever operation
- Applicable wire size (0.2, 0.3, 0.5, 0.75, 1.25mm²)

Description

- Twin pin contacts are used on the plug side connector to branch the signal.
- Receptacle contacts use common machined contacts.
- Optional polarization key can be used to prevent incorrect mating, and metal shell and hood plating can be used as a shield.
- 52 contacts type that does not split the signal is also available.

Technical data

Operating temperature: -55°C to +85°C

Current rating: 13A Max Plug cable

Voltage rating: A.C.750Vrms, D.C. 1000V

Contact resistance : 15mohm Max

Insulation resistance: 5000 MΩ min.

Test potential: 2000 VAC

Durability: 500 matings and unmatings.

Vibration : JIS-C STD 0040

Storage temperature/humidity : JIS-C-0028

ND series

Rack Drawer Connector



Key features and benefits

- Available in 50 contacts
- Compliant with the vibration and shock conditions of railway signal security components and railway vehicle supplies.
- Contacts: RC/RCS/RM which is proven in the railway industry is available as Common contact.

Description

- High reliability and durability brack drawer connector ideal for connecting between units.
- Robust type connector with cable clamp for DRW series.
- Cable clamp can be attached to both plug connector and receptacle connector.
- A ferrite plate can be attached for EMI performance.
- Compliant with the vibration and shock conditions of railway signal security components and railway vehicle supplies.

Technical data

Operating temperature range: -55°C to +125°C

Rated current: 13A (panel mount)

Contact resistance: 15mΩ Max

Insulation resistance: 5000 MΩ Min

Withstanding voltage: A.C. 2000V (1 minute)

Durability: 500 matings and unmatings

Vibration resistance: JIS-C-0040

Vibration test: JIS-E-3014

Shock test: JIS-E-3015

Dynamic salt spray : JIS-C 0023

Storage temperature/humidity : JIS-C0028

Vibration/Shock: JIS-E-4031

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