JOWO
Systemtechnik AG

Q38EB Hybrid

Scope of application:

The **Q38EB Hybrid** enables the transmission of large data volumes, such as high-resolution video signals, via the fiber optic connection. At the same time, the electrical contacts can be used for power supply, control signals, as well as for applications like USB, CAN, VDSL, and others.

Typical areas of application for the **Q38EB Hybrid** are particularly in the defense sector, especially for military equipment, and wherever a particularly robust solution is required.

Please feel free to contact us to realise your project.

Further information:

BEST CONNECTIONS IN EVERY ENVIRONMENT

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Q38EB Hybrid combines 18 electrical contacts with a fiber optic lens contact insert and represents an advancement of the Q38EB series. This solution allows all requirements to be covered by a single cable.

The connector housings are based on MIL-DTL-38999 Series III or VG95319-100x standards. On the fiber optic side, 2- and 4-channel options are available in Singlemode, Multimode, or Mixed Mode.

The connector is IP67 rated. Additional configurations are available upon request.

Fiber optic side:

- 2 or 4 channels (SM, MM or 2×SM + 2×MM)
- Proven QMICRO lens contact inserts
- Consistent optical performance across all channels
- Easy maintenance due to well-accessible lenses
- Reduced sensitivity to contamination thanks to lens technology

Electrical side:

- 18 gold-plated crimp contacts Ø 0.7 mm
- For 0.14–0.38 mm² (AWG 26–22)
- Optional as a PCB version with gold-plated pin contacts

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