CAN Newsletter Online

CAN FD

Repeater for tree and star topologies

Ixxat, a brand of HMS Networks (Sweden), has released CAN FD repeaters. They are galvanic-isolated.

Adding to the existing Ixxat line of CAN bridges and gateways, HMS Networks now presents four CAN FD repeaters. Of course, they can be also used for Classical CAN networks. The products enable CAN FD and CAN devices to be networked using tree and star topologies, as well as allowing implementation of drop lines. No configuration is required.

The repeater series supports copper-wired networking as well as fiber-optical connectivity (Photo: HMS/Ixxat)

The ICAN FD repeaters are available with two and four channels for copper-wired networking (versions CAN-CR100 and CAN-CR300) and for copper and fiber-optic connectivity (CAN-CR110/FO). All repeaters have a galvanic isolation of 1 kV, except for the CAN-CR120/HV version, which withstands up to 3 kV. With the fiber-optic version, it is possible to bridge distances with high electromagnetic interferences or to design applications with high demands on galvanic isolation. The repeaters come with plastic housings for DIN-rail mounting, and the bus-line connection is done via screw terminals.

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