

LIN 100

Optical Fiber Probe



Short description

The LIN 100 optical fiber field bus allows for potential free signal transmission according to LIN standards. The very small probe head is installed directly in the assembly. The bidirectional optical transmission path achieved through a double-plastic optical fibre cable is suitable for the signal transmission during EMC tests or for great potential differences.

The modules support the LIN specification up to a maximum transmission rate of 20 kbit/s. The edge steepness of the LIN signals can be set with an adjusting controller. While in operation, an internal pull-up resistance can also be switched on as the master.

Technical parameters

Transmission range	0 ... 20 kbit/s
Optical fibre connector	2 x 2.2 mm Ø
Radiated immunity	> 200 V/m
Supply voltage	8 - 15 V (Master)
Supply voltage	8 - 30 V (Slave)
Current input	max 45 mA
Max. optical fibre length	20 m
Sizes (L x W x H)	(37 x 12 x 8) mm