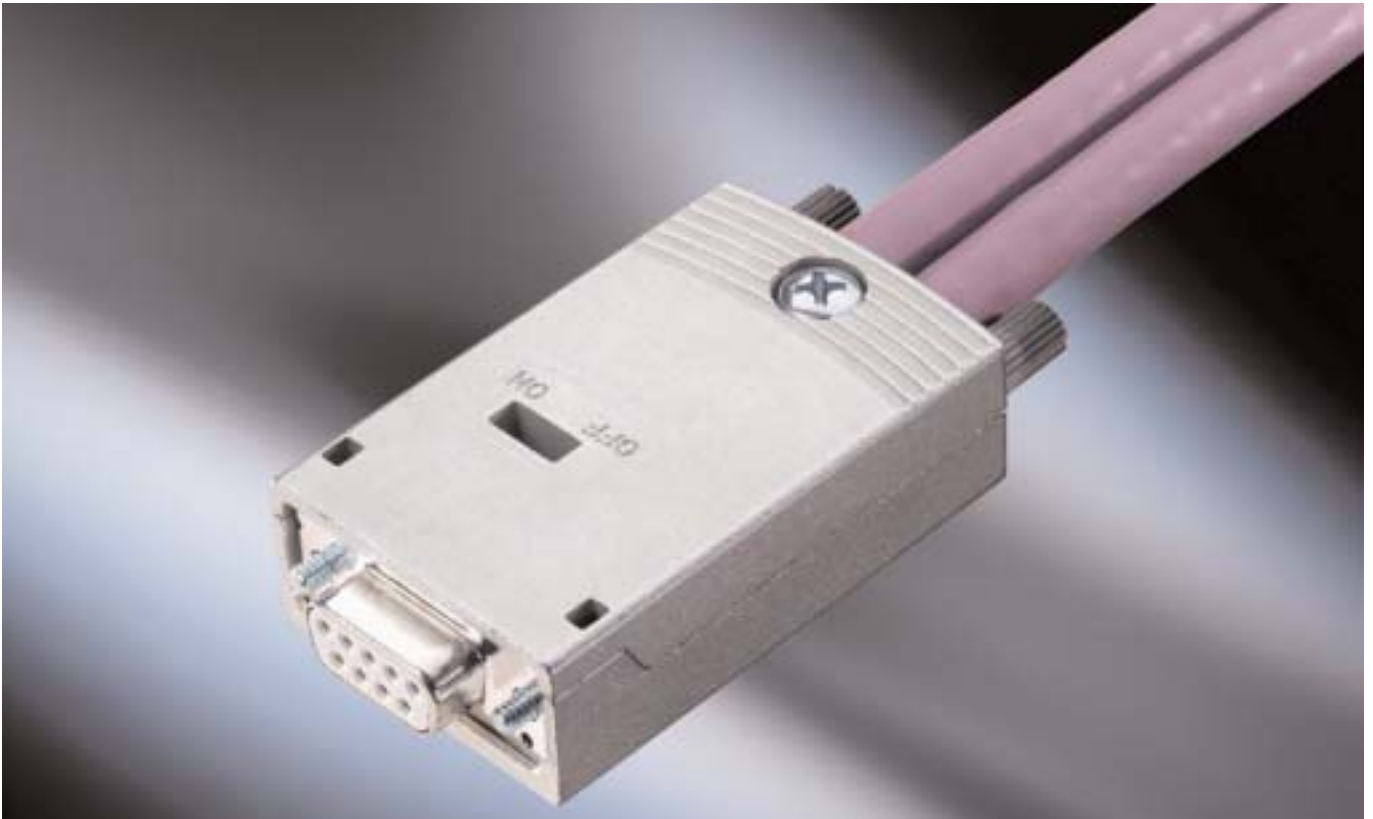


ERbic MAX CAN Switch

Robust metal housing with axial cable outlet and switch



General

ERNI has extended the established Bus-Interface Connector family with the ERbic MAX CAN switch.

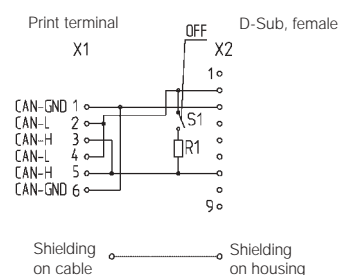
The new backshell design MAX stands for a diecast metal housing, which is ideal for applications in rough environment and with strict EMC requirements, like welding control units and power stations. The axial cable outlet on the ERbic MAX is positioned in mating direction. This achieves a narrow, space-saving, slimline form, as it is required in applications where two fieldbus interfaces need to be on top of each other. The print terminals with screw terminations allow for CAN-bus cables with sizes from 0.14 mm² (AWG 34) up to 1.0 mm² (AWG 18). The ERbic MAX CAN switch includes an integrated switch that allows for flexible system design and easy system extension. The external switch, which is recessed and therefore protected from accidental interruption, operates the termination resistor. In a network extension, the appropriate active termination connector may easily be switched to a node connector without terminating the system. Additionally, while trouble shooting the network, the appropriate node connector can be terminated and separated from adjacent network participants. This allows the remaining system to continue operation without disruption.

Part number: 154039

Technical Features

- Diecast metal housing
- Cable Outlet: axial (in D-Sub mating direction)
- D-Sub pin configuration according to CAN specification
- Switch can be operated external to activate and deactivate termination
- Switch protection
- The switch position and active or inactive termination are visually detectable
- Cable diameter: max. 8.0 mm

Circuit diagram



Electrical and mechanical characteristics for Cu transmission technology

Interface connector	D-Sub, 9-pin, female
Cable termination	2 x axial 1 cable outlet may be closed with blind plate
Cable diameter	4.5 mm (0.177") - 8.0 mm (0.315")
Single wire diameter	0.14 - 1 mm ²
Termination mode	screw terminal
Data transmission rate	according to CAN specification
Temperature range	-20°C – +70°C
Permissible air humidity	max. 75% at + 25°C
Degree of protection	IP 30
Dimensions in mm	57mm x 35mm x 16.0mm
Housing material	ZnAl, galvanized
D-Subminiature screw	#4/40 UNC, knurled and slotted (M 3 upon request)

Dimensions

