

# DIOLINE bus coupler EN/IP



<b>Identification</b>	Type	DL-EN/IP-L
	Part-No.	746423
<b>Use/Area of application</b>		
Description	Ethernet/IP bus coupler with local expansion (max. 10 modules) for use in rail vehicles	
<b>Bus interface</b>		
Bus system	Ethernet according to IEEE 802.3 10/100 Base Tx	
Module type	Ethernet/IP Adapter	
Configuration	Network configuration via the integrated RS232 interface Baud rate: 9600 Bd Databits: 8 Stop bits: 1 Parity bits: 0 Handshake: N0	
Data capacity in process image	Dependent on connected I/O modules (local bus)	
Addressing	static: via the network configuration (IP-address) dynamic: DHCP / BOOTP	
Transmission medium	2 x twisted pair Cat. 5	
Termination	X1, X2: 4-pin M12 connector D-coded	
Configuration interface	X4: SUB-D plug connector, 9-pin fastening bolt UNC4/40	
<b>Electronic module supply</b>		
Voltage range, incl. ripple	DC 16.8-30 V	
Ripple	max. 10 %	
Rated current (at $U_N$ )	nom. 130 mA + L-Bus optional 2 A fusible link, in case of internal short circuit optional 1.25 A fusible link, in case of short-circuit of local-bus interface	
Current consumption via local bus	max. 1 A	
External fuse	B2 without internal fuse B2 to B16 with internal fuses	
Connection	X3: cage clamp clamp-type terminal, 5-pin	
<b>Diagnostics</b>		

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Diagnosis indications	Module status (MS), LED red/green Network status (NS), LED red/green L-bus status (LB), LED red/green
Ethernet 1 / 2	Ethernet-Link (LNK), LED green Ethernet-Activity (ACT), LED yellow

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## Electrical isolation

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Isolating voltage	AC 1500V Ethernet and electronics AC 500V RS232 and electronics
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## Technical data

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Dimensions (w x h x d)	123.0x141.5x48.0 mm
Weight (kg/piece)	0.430 (kg/piece)
Protection class	IP 20
Field instalation	DIN rail mounting
Installation postition	As desired Installation space: top: 5 mm (for assembly) bottom: 5 mm (for assembly) side: 0 mm
Operating temperature	-40 °C to +70 °C (+85 °C for 10 min) corresponds to EN 50155 category Tx
Storage temperature range min/max	-40 °C to +85 °C

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## PE connection

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Connection tab	6.3 mm x 0.8 mm
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## Standards

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Electronic equipment on railway vehicles: EN50155:2007-07  
Electromagnetic compatibility: EN50121-3-2: 2006-07  
Insulation coordination: EN50124-1:2001-03  
Vibrations and shocks: EN61373:1999-04

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## Accessories

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SUB-D refitting set M4 in UNC40/3  
Article number: 746850  
Not contained in scope of delivery  
Screwless terminal, power supply  
Article number: 745861  
Contained in scope of delivery

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## Dimensions

