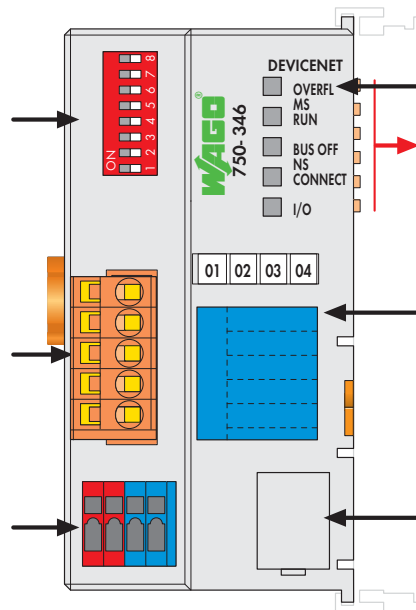




DIP switch
for MAC ID
and baud rate

Fieldbus connection Series 231 (MCS)

Supply
24 V
0 V



Status indication
-Fieldbus
-Fieldbus note

Data contacts

Marking area


Configuration interface

The ECO fieldbus coupler is designed for applications with a reduced scale I/O requirement. Using digital only process data or small amounts of analogs, while retaining all of the choice that's offered by the Series 750 I/O. The coupler has an integrated supply terminal for the system voltage. The field power jumper contacts are supplied via a separate supply module. The DeviceNet™ buscoupler automatically configures, creating a local process image which may include analog, digital or specialty modules. DeviceNet™ stores the process image in the corresponding Master control (PLC, PC or NC).

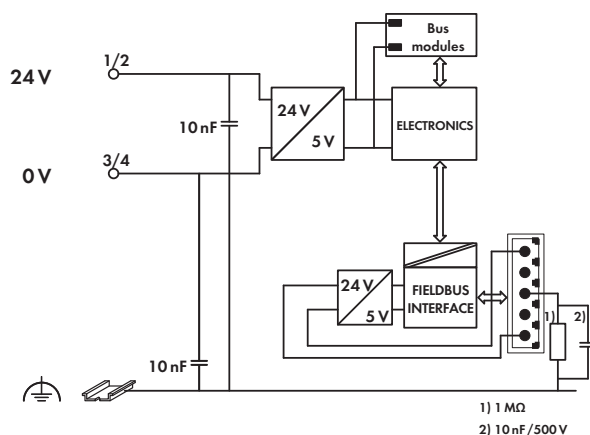
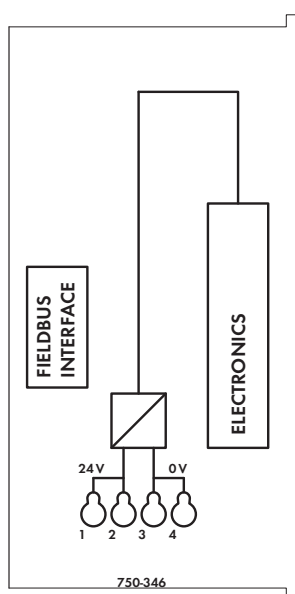
Notice: EDS files required

The local process image is divided into two data zones containing the data received and the data to be sent. The process data can be sent via the DeviceNet™ fieldbus to the PLC, PC or NC for further processing, and received from the field via DeviceNet™.

The data of the analog modules is stored in the process image which is created automatically according to the order in which the modules are connected to the buscoupler. The bits of the digital modules are sent byte by byte and added to the analog data. If the amount of digital information exceeds 8 bits, the buscoupler automatically starts with a new byte.

Description	Item no.	Pack. unit
DeviceNet ECO	750-346	1
Accessories	Item no.	Pack. unit
EDS files	Download: www.wago.com	
Miniature WSB quick marking system,		
	plain	248-501 5
	with marking	see pages 256 ... 257
Approvals		
Conformity marking	CE	
•UL 508		
•ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4	
•EN 60079-15	I M2 / II 3 GD Ex nA nL IIC T4	
	BR-Ex nA II T4	



[illegible]



Technical Data

Number of I/O modules	64
Fieldbus	
Max. input process image	32 bytes
Max. output process image	32 bytes
Configuration	via PC or PLC
Voltage supply	DC 24 V (-15 % ... +20 %)
Current consumption	
via power supply terminal (typ.)	
at nominal load (24 V)	260 mA
via DeviceNet interface	< 120 mA / 11 V
Efficiency of the power supply (typ.)	
at nominal load (24 V)	80 %
Internal current consumption (5 V)	350 mA
Total current for I/O modules (5 V)	650 mA

General Specifications

Operating temperature	0 °C ... +55 °C
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm² ... 1.5 mm² / AWG 28 ... 14
Stripped lengths	5 ... 6 mm / 0.22 in
Dimensions (mm) W x H x L	50 x 65 x 97
	Height from upper-edge of DIN 35 rail
Weight	115 g
Storage temperature	-25 °C ... +85 °C
Relative air humidity (no condensation)	95 %
Vibration resistance	acc. to IEC 60068-2-6
Shock resistance	acc. to IEC 60068-2-27
Degree of protection	IP20
EMC  Immunity to interference	acc. to EN 50082-2 (1996), EN 61000-6-2 (1999)
EMC  Emission of interference	acc. to EN 50081-2 (1994)