

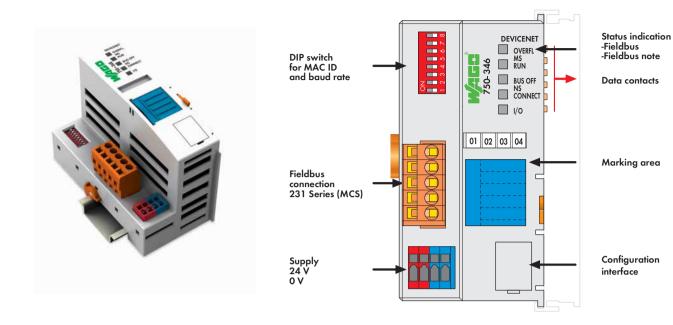
Number of I/O modules	64
Fieldbus	
Max. input process image	32 bytes
Max. output process image	32 bytes
Configuration	via PC or PLC
Power supply	24 V DC (-15 % +20 %)
Current consumption	
via power supply terminal (typ.) at	
nominal load (24 V)	260 mA
via DeviceNet interface	< 120 mA / 11 V
Efficiency 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 mm ² 1.5 mm ² / AWG 28 16
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: C € - immunity to interference	acc. to EN 61000-6-2 (2005)
EMC: C € - emission of interference	acc. to EN 61000-6-4 (2007)



DeviceNet ECO Fieldbus Coupler

125 ... 500 Kbaud; digital and analog signals



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 Device $\mathbf{Net}^{\mathsf{TM}}$ buscoupler automatically configures, creating a local process image which may include analog, digital or specialty modules. Device $\mathbf{Net}^{\mathsf{TM}}$ 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 Device-NetTM fieldbus to the PLC, PC or NC for further processing, and received from the field via Device-NetTM.

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.			
Miniature WSB Q	uick marking syste		-	
Commission	plain with marking	248-501 see pages 352 353	5	
Section 1110	wiin marking	see pages 332 33.	5	
Approvals		Also see "Approvals Overvi	ew" in Section 1	
Conformity marking	l	(€		
்®∞ UL 508				
₀‰ ANSI/ISA 12.1	12.01	Class I, Div. 2, Grp. ABCD,	Class I, Div. 2, Grp. ABCD, T4	
	5	BR-Ex nA II T4		
	5	I M2 / II 3 GD Ex nA nL IIC	C T4	
EN 61241-0, -1				

No. of couplers connected to Master	64 with scanner
Max. no. of I/O points	approx. 6000 (depends on master)
Transmission medium	Shielded Cu cable Trunk line:
	2 x 0.82 mm ² + 2 x 1.7 mm ²
	Drop line: 2 x 0.2 mm ² + 2 x 0.32 mm ²
Max. length of bus line	100 m 500 m (depends on baud rate/
	cable)
Baud rate	125 Kbaud, 250 Kbaud, 500 Kbaud
Buscoupler connection	5-pole male connector, 231 Series (MCS)
	female connector 231-305/010-000/
	050-000 (included)