


The CAN Gateway supports CAN Layer 2, while meeting CAN specifications 2.0A (11-bit identifier) and 2.0B (29-bit identifier). Function blocks allow the gateway to read and write higher-protocol telegrams (e.g., CANopen).

The gateway adjusts itself to baud rates between 10 kbit/s to 1 Mbit/s via automatic bit-rate detection (Auto Baud Rate). It is also possible to set a fixed transmission rate. Six configurable filters for input telegrams allow CAN messages to be filtered via the CAN identifiers.

Three operation modes are available: Sniffer mode provides a detailed CAN bus analysis without interactions. In transparent mode, the gateway works as an active CAN device that can send and receive any type of CAN telegrams. Mapped mode enables CAN telegrams to be generated directly from the process image. It also allows select process values to be copied from received telegrams into the input process image. A CAN telegram may be sent cyclically, manually or event-triggered (change of process value).

Description	Item No.	Pack. Unit
CAN Gateway	750-658	1
Accessories		
Miniature WSB Quick marking system		
 plain	248-501	5
with marking	see Section 11	
Approvals		
Conformity marking	CE	
Marine applications	BV, GL	
UL 508		
ANSI/ISA 12.12.01	Class I, Div. 2, Grp. ABCD, T4	

Technical Data	
Number of inputs	1 (CAN interface)
Supported baud rates	10 kbit/s, 20 kbit/s, 50 kbit/s, 125 kbit/s, 250 kbit/s, 500 kbit/s, 800 kbit/s, 1 Mbit/s, Auto Baud Rate
CAN data formats	acc. to 2.0A (Standard: 11-bit ID), acc. to 2.0B (Extended: 29-bit ID)
Operation modes	Sniffer mode, transparent mode, mapped mode
Internal bit width	8, 12, 16, 20, 24, 32, 40, 48 bytes configurable; incl. control/status byte
Isolation (peak value)	$V_M = 500$ V system/supply
Current consumption typ. (24 V)	12 mA
Current consumption typ. (KBUS)	50 mA
Wire connection	CAGE CLAMP®
Cross sections	0.08 mm² ... 2.5 mm² / AWG 28 ... 14
Strip lengths	8 ... 9 mm / 0.33 in
Width	12 mm
Weight	88.7 g
EMC immunity of interference	acc. to EN 61000-6-2, EN 61131-2, marine applications
EMC emission of interference	acc. to EN 61000-6-3, EN 61131-2, marine applications