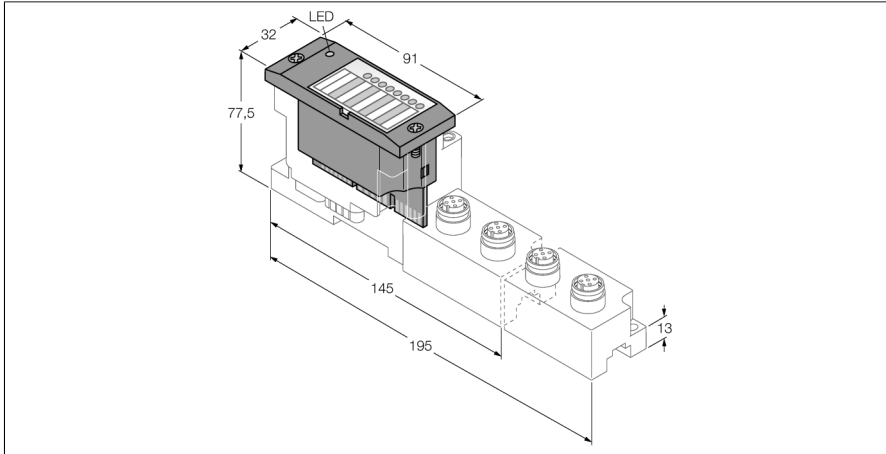


BL67 electronic module

4 Analog Outputs for Voltage

BL67-4AO-V



- Kullanılan fieldbus ve bağlantı teknolojisinden bağımsız
- Koruma sınıfı IP67
- LEDs indicate status and diagnostic
- Electronics galvanically separated from the field level via optocouplers
- 4 analog outputs
- -10/0...+10 VDC

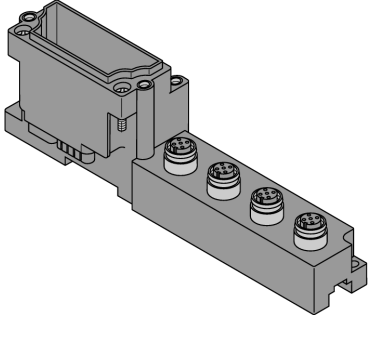

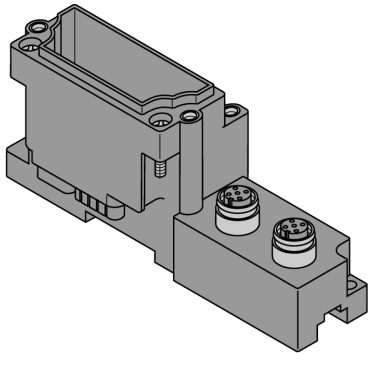


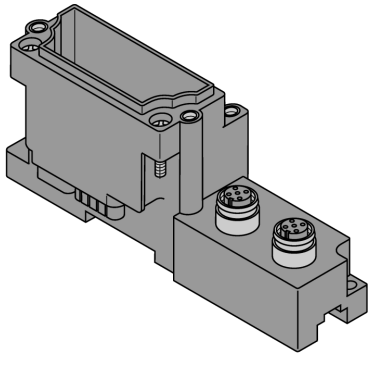


İşlevsel prensip

BL67 electronic modules are plugged on the purely passive base modules which in turn are connected to the field devices. The separation of connection level and electronics simplifies maintenance considerably. Flexibility is enhanced because the user can choose between base modules with different connection technologies.

The electronic modules are completely independent of the higher level fieldbus through the use of gateways.

Tip	BL67-4AO-V
Tanit. no.	6827333
Besleme gerilimi	24 VDC
Kabul edilebilir aralık	18...30 VDC
Güç dağılımı, tipik	≤ 1 W
Nominal voltage V_i	24 VDC
Max. sensor supply I_{sens}	4 A
Analog outputs	
İşletme modları	-10/0 ... 10 V
Type of output diagnostics	Channel diagnostics
Sensor supply	24 VDC, 250 mA per channel
Yük direnci, dirençli	> 1 k Ω
Yük direnci, kapasitif	< 1 μ F
Transmission frequency	< 100 Hz
Basic fault limit at 23 °C	< 0.3 %
Repeat accuracy	< 0.05 %
Temperature coefficient	< 300 ppm/°C of full scale
Resolution	16 bit
Measured-value display	16 bit signed integer 12 bit full range left-justified
Ortam sıcaklığı	
Saklama sıcaklığı	-40...+70 °C
Bağıllı nem	%5...95 (dahili), seviye RH-2, yoğuşmasız (45°C'de depolandığında)
Titreşim testi	
- up to 5 g (at 10 to 150 Hz)	EN 61131 uyarınca for mounting on DIN rail no drilling according to EN 60715, with end bracket
- up to 20 g (at 10 up to 150 Hz)	for mounting on base plate or machinery Therefore every second module has to be mounted with two screws each.
Darbe testi	
Düşme ve devrilme	IEC 60068-2-27 uyarınca acc. to IEC 68-2-31 and free fall to IEC 68-2-32
Elektromanyetik uyumluluk	EN 61131-2 uyarınca
IP Derecesi	IP67

Compatible base modules

Ölçekli çizim	Type	Pin configuration
	<p>BL67-B-4M12 6827187 4 x M12, 5-pole, female, a-coded</p> <p>Comments Bağlantı kablosunun eşleştirilmesi (örnek): RKC5.501T-2-RSC5.501T/TXL Tanım. No. 6628831</p>	<p>Tel ataması</p>  <p>1 = V_{SENS} 2 = AO + 3 = GND 4 = AO - 5 = PE</p>
	<p>BL67-2M12-8 6827336 2 x M12, 8-pole, female</p> <p>Comments Field-wireable connector (for example): BS8181-0 Ident no. 6901004</p>	<p>Terminal ataması port 0</p>  <p>1 = AO 0 - 5 = V_{SENS} 2 = AO 2 - 6 = V_{SENS} 3 = AO 0 + 7 = GND 4 = AO 2 + 8 = PE</p> <p>Pin Assignment Port 1</p>  <p>1 = AO 1 - 5 = V_{SENS} 2 = AO 3 - 6 = V_{SENS} 3 = AO 1 + 7 = GND 4 = AO 3 + 8 = PE</p>
	<p>BL67-2M12-8-P 6827337 2 x M12, 8-pole, female, paired</p> <p>Comments Field-wireable connector (for example): BS8181-0 Ident no. 6901004</p>	<p>Terminal ataması port 0</p>  <p>1 = AO 0 - 5 = V_{SENS} 2 = AO 1 - 6 = V_{SENS} 3 = AO 0 + 7 = GND 4 = AO 1 + 8 = PE</p> <p>Pin Assignment Port 1</p>  <p>1 = AO 2 - 5 = V_{SENS} 2 = AO 3 - 6 = V_{SENS} 3 = AO 2 + 7 = GND 4 = AO 3 + 8 = PE</p>

LED display

LED	Color	Status	Meaning
D		OFF	No error message or diagnostics active.
	RED	ON	Failure of module bus communication. Check if more than 2 adjacent electronic modules are pulled. Relevant modules are located between gateway and this module.
	RED	FLASHING (0.5 Hz)	Upcoming module diagnostics
AO channels 0...3			Without function (no LEDs for analog outputs)

Data mapping

DATA	BYTE	Bit 7	Bit 6	Bit 5	Bit 4	Bit 3	Bit 2	Bit 1	Bit 0
Output	m	AO 0 LSB							
	m+1	AO 0 MSB							
	m+2	AO 1 LSB							
	m+3	AO 1 MSB							
	m+4	AO 2 LSB							
	m+5	AO 2 MSB							
	m+6	AO 3 LSB							
	m+7	AO 3 MSB							

n = Offset of input data; depending on extension of station and the corresponding fieldbus.

m = Offset of output data; depending on extension of station and the corresponding fieldbus.

With PROFIBUS, PROFINET and CANopen, the I/O data of this module is localized within the process data of the whole station via the hardware configuration tool of the fieldbus master.

With DeviceNet™, EtherNet/IP™ and Modbus TCP a detailed mapping table can be created with the TURCK configuration tool I/O-ASSISTANT.