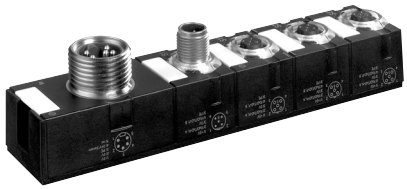
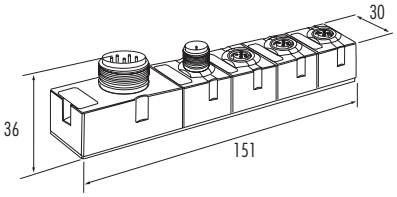
Repeater
Profibus

Protection IP67

R-P M12



Ordering data	Art.-No.
	56960
Field bus	
Nominal voltage	24 V DC (18…30.2 V), to EN61131-2
Module supply	via PIN 4 sensor supply (7/8" power)
Current usage	approx. 80 mA
Type	Profibus-DP slave
Transfer protocol	Profibus-DP
Operating modes	sync- and freeze-mode is supported
Transfer rate	up to 12 MBit/s
LED indicator	
Communication to field bus	green static = O.K.; green blinking = no communication
	red = configuration error
Sensor supply U_S	green = O.K.; red = U < 18 V
Actuator supply U_A	green = O.K.; red = U < 18 V
Internal communication U_S	static = O.K.; blinking = no data transfer
Supply voltage	
Sensor supply	via 7/8" power; max. 9 A
Actuator supply	via 7/8" power; max. 9 A
Bridge internal system connection	each female having a max. of 4 A per PIN
General data	
Temperature range	0…+ 55 °C (storage temperature - 20…+ 75 °C)
Mounting method	2-hole screw mounting
Dimension	36 x 151 x 30 mm
Dimension drawing	

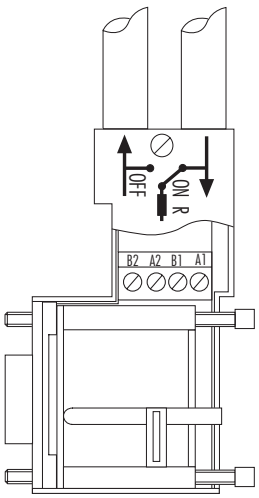


Notes	
	Contact layout and drill plan see page 2.5.5. Connection cables can be found in chapter 1.4…
	All housing are fully potted.

Bus connector | **Profibus-DP** | **CAN**

Protection IP20

Ordering data	**Art.-No.**	**Art.-No.**
Profibus-DP	**55762**	
Profibus-DP incl. 2 PG interface	**55766**	
CAN		**55760**
Technical data		
Supply voltage	via field bus slave; 4.75…5.25 V DC	
Current usage	≤ 5 mA	
Transfer rate	12 MBits/s	1 MBits/s
Terminator	integrated and switchable	
Interface		
Field bus	SUB-D 9-pole male	SUB-D 9-pole female
Data cable	4-row terminals for wire diameters up to 1.5 mm²	
Cable exit	2 options, axial or 90° to the plug	
General data		
Temperature range	0…+55 °C	
Dimension	64 x 17 x 40 mm	65 x 16 x 48 mm
Connection diagram		

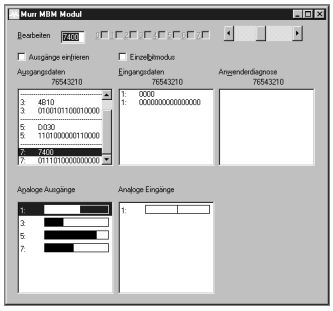


Notes

MURR ELEKTRONIK

Profibus-DP

Profibus master simulator



Profibus tester PBT2

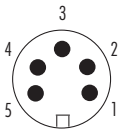
Ordering data	**Art.-No.**	**Art.-No.**
Profibus master simulator	**55808**	
Profibus tester PBT2		**55807**
Areas of use		
	function check of bus module and wiring	set-up, maintenance, production control of Profibus-DP, Profibus-FMS members
Requirements		
	PC IBM compatible from 80386	PC IBM compatible from 80386, disc drive 3.5"
	MS Windows 3.1, MS Windows 95, MS Windows 98, MS Windows NT	MS Windows 95B, MS Windows 98, MS Windows NT 4.0
Connection		
	via serial interface (RS232)	–
Function		
	configuration and parameterization of Profibus slaves	test and evaluation of the signal conditions
	indication of the input data and "forcing" the output data	indication of the differential voltage of 0.6 V…4.2 A
	indication of the diagnostic data in clear text (when described in GSD file)	galvanic separated trigger-outlet for oscilloscope (BNC socket)
	indication of the analog MBM inputs through bar graphs	the measured glitches (over- or undershoot)
	adjusting the analog MBM outputs via software slider	the to flat increasing flanks
		the low signal levels
Delivery content		
	software package	2 discs 3.5"
	cable and Profibus converter	supply unit
		Profibus adapter cable
		null-modem cable
		instruction guide
		robust plastic case

Notes

Profibus-DP	Profibus Cable tester	Profibus Nettest II
		
Ordering data	**Art.-No.**	**Art.-No.**
	55804	
		55820
Areas of use		
	quick check of the bus cable, disturbing factors in the Profibus	quick check of the bus physics after wiring
Connection		
	Profibus-DP (RS485)	
Function		
insight about	baud rate	via short-circuit in the bus cable
	reflections (LED)	cable or shield break
	terminators	exchanged cables
		terminators (No. of/position)
		open-ended wires
		cable length
		spot cable
		baud rate
		Profibus slaves in mains
		participant selctive bus level
		reflections
DP-mono-master function		
	–	visualisation and modification I/O data (I/O check) without PLC
	–	detailed information of diagnostic alarm
	–	implementation of Profibus serivce
Delivery content		
	Profibus cable tester	NETTEST II complete set in suitcase
	required battery (9 V block)	inclusive loading station and cable adapter
Notes		

Contact layout for Profibus repeater

POWER
Male 7/8"



PIN 1: GND
PIN 2: GND
PIN 3: PE
PIN 4: sensor supply
PIN 5: actuator supply

BUS IN
Male M12

PIN 1: 5 V
PIN 2: A-wire (green)
PIN 3: 0 V
PIN 4: B-wire (red)
PIN 5: shield
Compression gland: shielded

BUS OUT
Female M12

Drill plan Profibus repeater