



piconet®

- Small Rugged Bus I/O

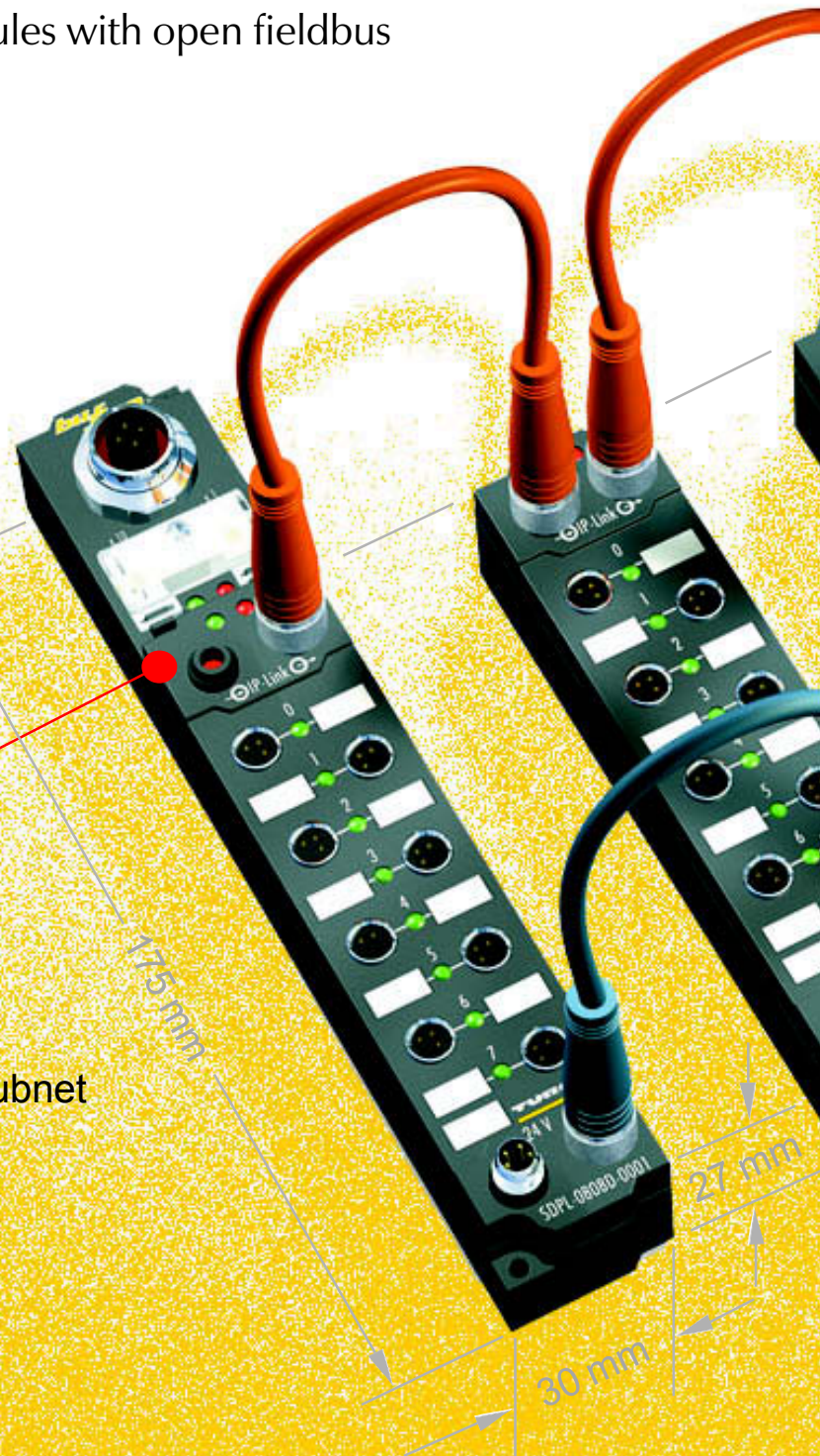
piconet® - SMALL

piconet® is small in size, rugged in nature and meets the highest industrial standards. These IP67 miniature *busstop*® modules can be integrated directly on the machine to achieve the complete functionality and performance required in your application.

The versatile range of *piconet*® products includes stand-alone modules, coupling, and extension modules with open fieldbus protocols, accessories and cordsets.

Coupling Module

- Provides the fieldbus connection to the PLC via the open fieldbus networks
- Collects data for up to 120 extension modules connected with a fiber optic subnet



An Open Fieldbus Solution

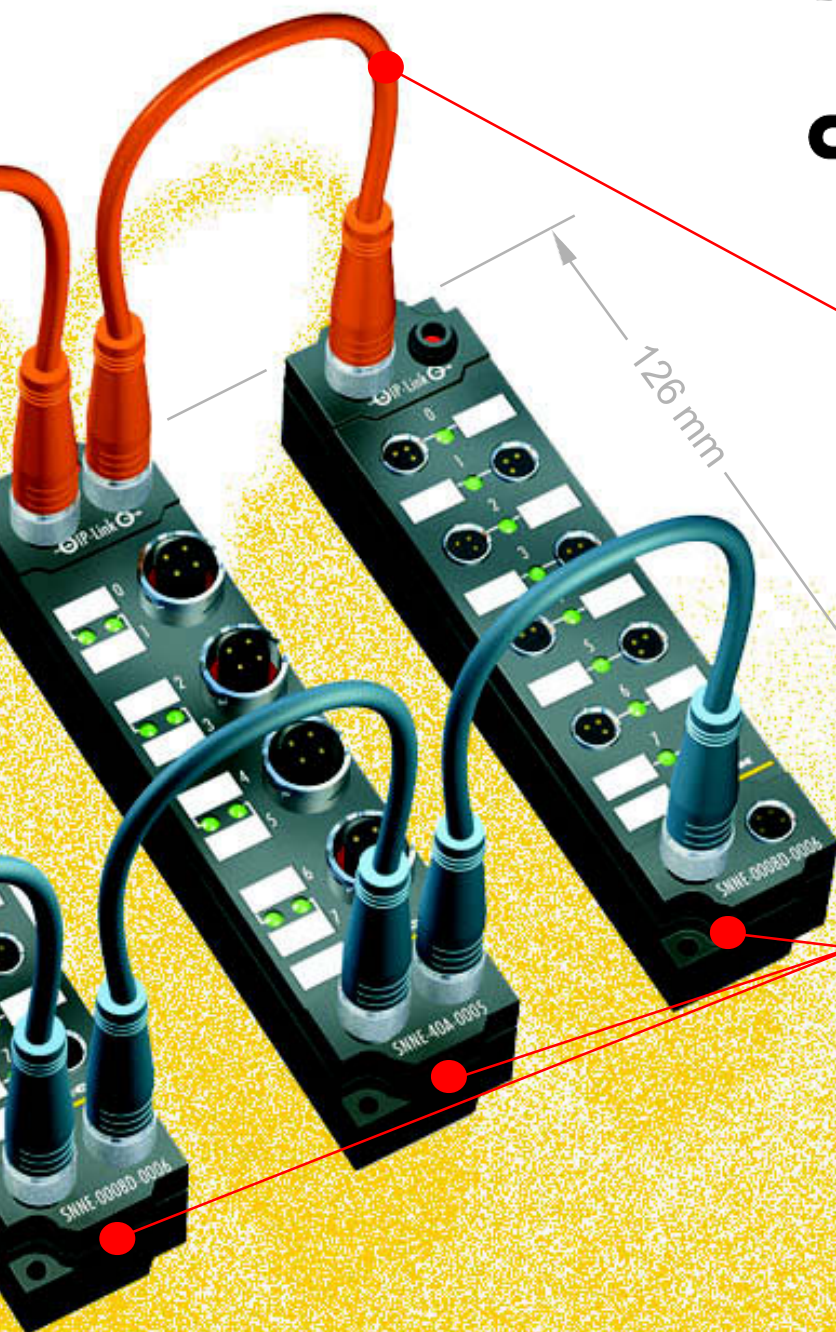
DeviceNet™

RS 232 / RS 485

PROFI
PROCESS FIELD BUS
BUS

CANopen

Modbus



IP Link Subnet

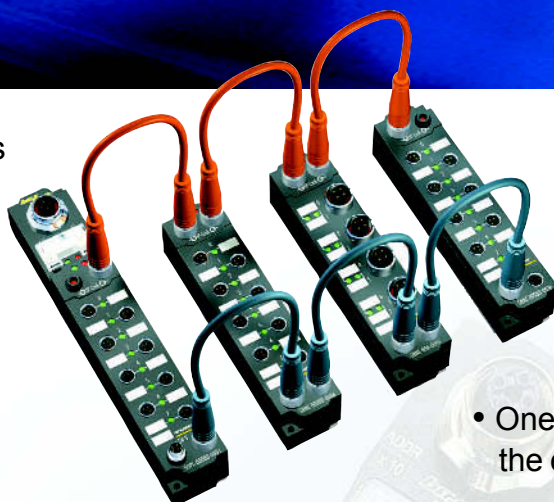
- Up to 5 meters between extension modules
- Can be used to extend DeviceNet™ drop lengths
- Fiber optic data link is isolated from electrical interference

Extension Modules

- Add up to 120 extension modules to a single coupling module
- Transmit data to the coupling module at 2 Mbit/s
- Available in Analog 0/4-20mA, $\pm 10V$ Digital In, Digital Out, RS232
- Over 900 digital I/O points possible per system
- Entire machine can be controlled using only one address

COUPLING AND EXTENSION MODULES

- Hundreds of I/O points



- One address can be used for the entire machine

piconet® - Coupling Modules

All units listed are available from stock.

Network	Part Number	Connector	Technical Description
	SDPL-0404D-0003	M8	4 digital in- and outputs, 24 VDC 0.5A, filter 3.0ms
DeviceNet™	SDNL-0404D-0003	M8	4 digital in- and outputs, 24 VDC 0.5A, filter 3.0ms
CANopen	SCOL-0404D-0003	M8	4 digital in- and outputs, 24 VDC 0.5A, filter 3.0ms
Modbus	SMBL-0404D-0003	M8	4 digital in- and outputs, 24 VDC 0.5A, filter 3.0ms
RS 232	SS2L-0404D-0003	M8	4 digital in- and outputs, 24 VDC 0.5A, filter 3.0ms
RS 485	SS4L-0404D-0003	M8	4 digital in- and outputs, 24 VDC 0.5A, filter 3.0ms

piconet® - Extension Modules

All units listed are available from stock.

	Part Number	Connector	Technical Description
Use with any coupling module listed above.	SNNE-0800D-0008	M8	8 digital inputs, 24 VDC, filter 0.2ms
	SNNE-0008D-0006	M8	8 digital outputs, 24 VDC, 0.5 A
	SNNE-0008D-0002	M8	8 digital outputs, 24 VDC, 2A (IS = 4 A)
	SNNE-0008D-0004	M8	8 digital outputs, 24 VDC, 2A (IS = 12 A)
	SNNE-0404D-0001	M8	4 digital in- and outputs, 24 VDC, 0.5A, filter 0.2ms
	SNNE-0404D-0005	M8	4 digital in- and outputs, 24 VDC, 2A (IS = 4A), filter 0.2ms
	SNNE-0808D-0001	M8	8 digital in- and outputs, 24 VDC, 0.5A, filter 3.0ms
	SNNE-40A-0005	M12	4 analog differential inputs $\pm 10V$, 16 bit
	SNNE-40A-0007	M12	4 analog differential inputs, 0(4)...20 mA, 16 bit
	SNNE-40A-0009	M12	4 analog inputs for resistance temperature detectors
	SNNE-40A-0004	M12	4 analog inputs for thermoelements
	SNNE-04A-0009	M12	4 analog outputs, 0...20 mA, 16 bit
	SNNE-04A-0007	M12	4 analog outputs, $\pm 10 V$, 16 bit
	SNNE-0202D-0003	M12	Up/down counter 24 VDC, 100 kHz
	SNNE-10S-0001	M23	Incremental encoder interface with complem. inputs, 1 Mhz
	SNNE-10S-0002	M12	Serial interface RS232C



DeviceNet™



- Direct connection to the field device

- 8 digital or 4 analog I/O points per DeviceNet™ (or PROFIBUS®) address

piconet® - Stand-alone Modules

All units listed are available from stock.

Part Number	Connector	Technical Description
SXXB-0800D-0008	M8	8 digital inputs, 24 VDC, filter 0.2ms
SXXB-0008D-0006	M8	8 digital outputs, 24 VDC, 0.5A
SXXB-0008D-0002	M8	8 digital outputs, 24 VDC, 2A (IS = 4 A)
SXXB-0404D-0001	M8	4 digital in- and outputs, 24 VDC, 0.5A, filter 0.2ms
SXXB-0404D-0005	M8	4 digital in- and outputs, 24 VDC, 2A (IS=4A), filter 0.2ms
SXXB-40A-0005	M12	4 analog differential inputs, $\pm 10V$, 16 bit
SXXB-40A-0007	M12	4 analog differential inputs, 0 (4) ...20mA, 16 bit
SXXB-40A-0009	M12	4 analog inputs for resistance temperature detectors
SXXB-40A-0004	M12	4 analog inputs for thermoelements
SXXB-04A-0009	M12	4 analog outputs, 0...20mA, 16 bit
SXXB-04A-0007	M12	4 analog outputs, $\pm 10 V$, 16 bit
SXXB-0202D-0003	M12	Up/down counter 24 VDC, 100 kHz
SXXB-10S-0001	M23	Incremental encoder interface with complen. inputs 1 Mhz
SXXB-10S-0002	M12	Serial Interface RS232C

XX = Network Type (DN = DeviceNet™, DP = PROFIBUS®).

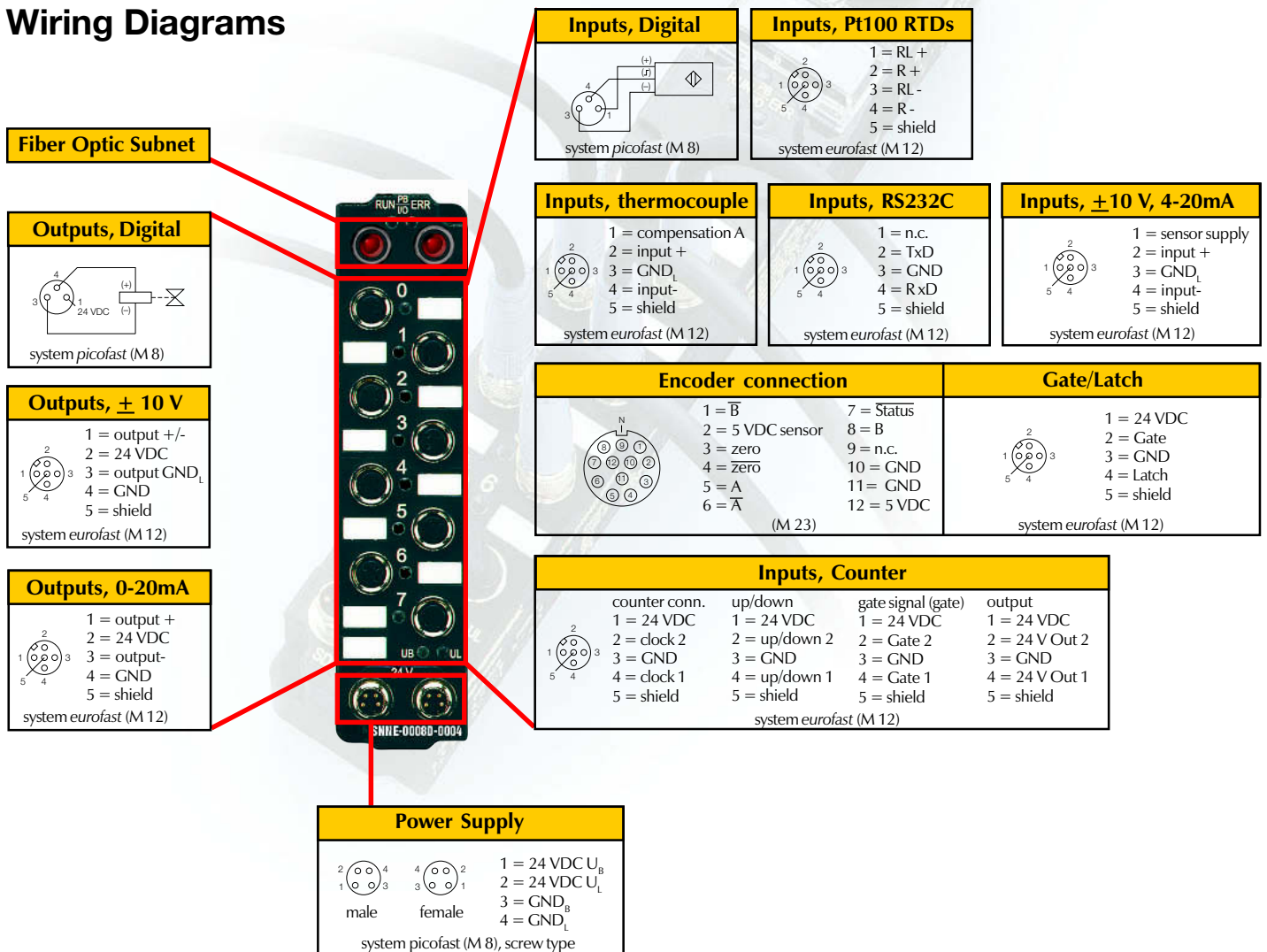
PICONET EXTENSION NETWORK

Specifications

Max. Number of Extension Modules	120 Digital, 15-40+ Analog (depends on data size limitations below and in PLC scanner)
Input Data Size	128 bytes PROFIBUS®, 512 bytes DeviceNet™ (may be limited by PLC scanner)
Output Data Size	128 bytes PROFIBUS®, 512 bytes DeviceNet™ (may be limited by PLC scanner)
Scan Time	1ms typical (128 bytes I/O data total)
Max. Fiber Length Between Extensions	5 Meters (16 Feet)
Operating Temp	0-55°C
Vibration	Meets IEC 68, part 2-6 (vibration)/ IEC 68, part 2-27 (shock)
Enclosure	IP67

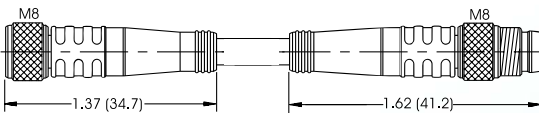
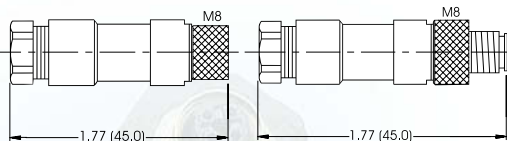
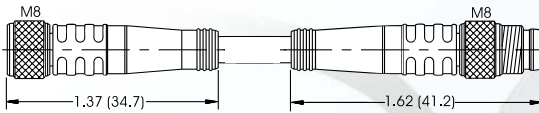
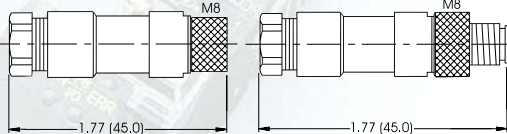
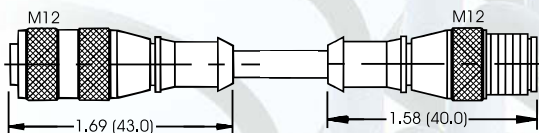
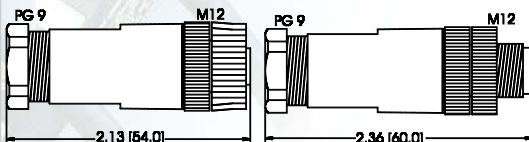
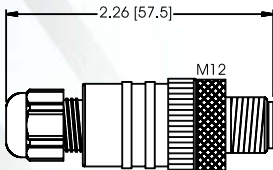
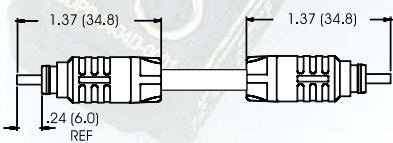
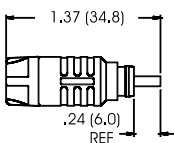
Consult factory for specifications on other networks.

Wiring Diagrams



For pinout and data mapping information go to www.interlinkbt.com and search for "piconet".

ACCESSORIES AND CORDSETS *bus stop*

	CORDSET	FIELD WIREABLE
POWER 	 IPSPK4-*-SSP4/S90	 B5141-0 BS5141-0
DIGITAL I/O 	 PKG-3Z*-PSG 3M	 B5131-0 BS5131-0
ANALOG 	 RS 4.4T*-RK 4.4T	 B8151-0 BS8151-0
THERMOCOUPLE 	N/A	 WAS5-THERMO
FIBER 	 SFOL - *M	 SFOC-0001

Note: For bulk fiber optic cable order SFOF- *M.

* indicates length in meters.

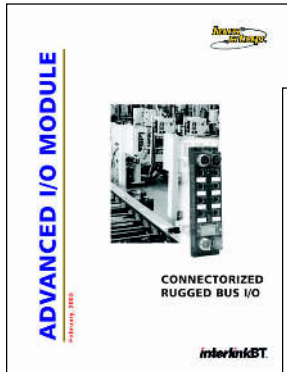
Standard cable lengths are 0.15, 0.3, 0.5, 1, 2, 3, 5. Consult factory for other lengths.

For information on network cabling go to www.interlinkbt.com and search by network (i.e. DeviceNet™, PROFIBUS®).

BEST OF CLASS FROM InterlinkBT

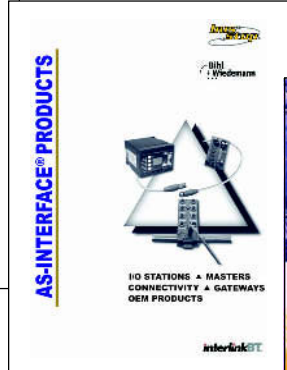


AIM™



Order B9032

AS-interface®



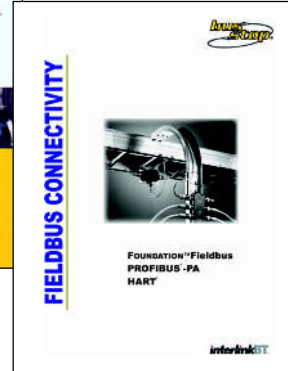
Order B9040

BL20



Order B9039

Fieldbus Connectivity



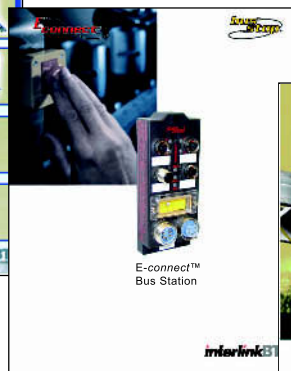
Order B9033

Product Sampling



Order B9043

E-connect™



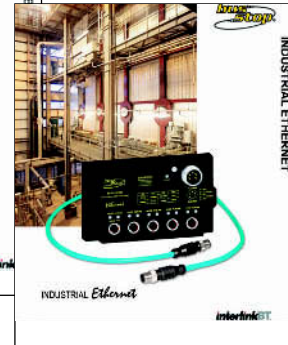
Order B9044

Process



Order B9049

Ethernet



Order B9047

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