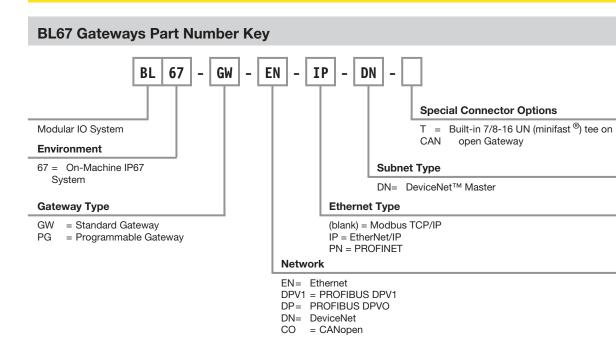
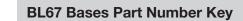


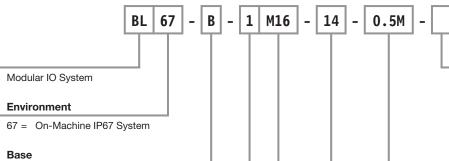
# **Network I/O and Media Part Number Keys**

# **On-Machine Modular I/O**



BL67 Slices Part Number Key						
BL 67 - 8 DC	D - 0.5A - P Discrete IO Secondary Descriptor					
Modular IO System Environment	P = PNP, positive switching N = NPN, negative switching PD= PNP, positive switching with per port Diagnostics					
67 = On-Machine IP67 System	NO = Normally Open Relays					
Number of IO						
1 = 1 Channel 2 = 2 Channels 4 = 4 Channels 8 = 8 Channels 16 = 16 Channels	Output Descriptors $0.1A = 100$ mA outputs $0.5A = 500$ mA outputs $2A = 2A$ outputs $R = Relay Outputs$					
Type of IO	Analog Descriptors I = Current V = Voltage					
DI = Digital Inputs DO = Digital Outputs XSG = Configurable Digital Inputs or Outputs AI = Analog Inputs AO= Analog Outputs RFID = Radio Frequency Identification CNT/ENC = High Speed Counter SSI = SSI Encoder Interface CVI = CANopen Valve Interface RS232 = RS232 Serial	PT = RTD TC = Thermocouple					





B = Base

#### Number of Connectors

1 = 1 Connector 2 = 2 Connectors 4 = 4 Connectors 8 = 8 Connectors

Type of Connectors

M8= *picofast*<sup>®</sup> - M8x1 M12 = eurofast<sup>®</sup> - M12x1 M16 = **versafast**<sup>®</sup> - M16x0.75

M23 = *multifast*<sup>®</sup> - M23x1 RSM = Male *minifast* <sup>®</sup> Power connector - 7/8-16UN

## **Unique Identifier** P = Paired Base, (eg: in 4M12 standard pinout has 0 and 4 on first connector, P base has 0 and 1 on first connector) VO= Power Feed base that only refreshes Output voltage and carries input voltage from previous

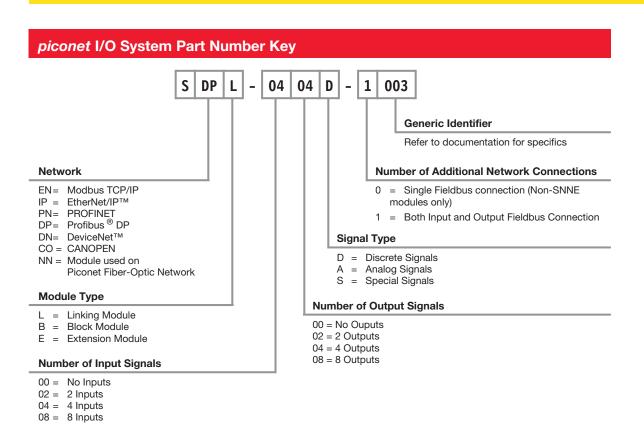
segment VI = Available power pins are directly connected to backplane power, not fused by slice.

Length of built-in Cordset

### Number of Pins

(blank) = Standard Number for connector 4 = 4 Pins 8 = 8 Pins 14 = 14 Pins 19 = 19 Pins

# **On-Machine Flexible Block I/O**



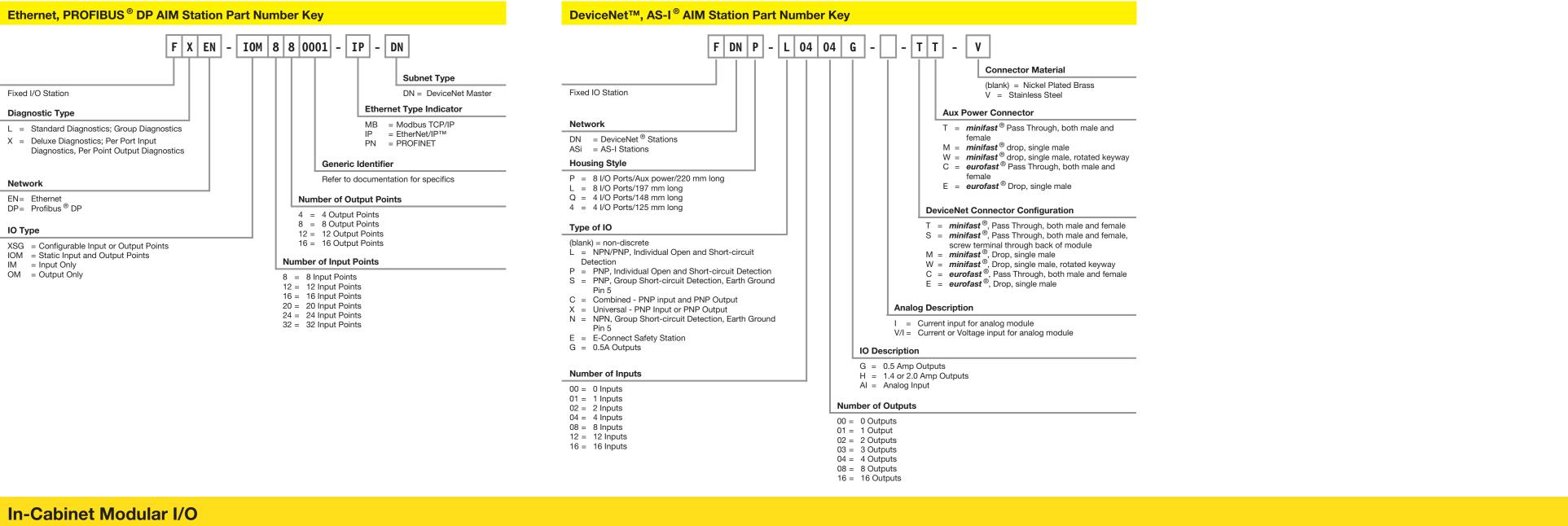
BL Compact Part Number I							
	BLC DN -	• 8 M	12 L	T 4AI	-VI - 8	DI-P	
64		Τ				I/O Type Position #2	
Flexible Block I/O Station	-					4DI-P	2AI-I
Network						4DI-N 4DI-PD 8DI-P	2AI-V 2AO-I 2AO-V
DN = DeviceNet DP = PROFIBUS DP CO = CANopen						8DI-PD 8DI-PD 8XSG-PD	2AI-PT 2AI-TC 1RS232
Number of IO Ports						4DO-0.5A-P 4DO-2A-P 4DO-2A-N	1RS485-422 1SSI 1CNT
1 = 1 port 2 = 2 ports 4 = 4 ports						4DIDO-PD 8DO-0.5A-P	
$b^{2} = 6$ ports $b^{2} = 6$ ports $b^{2} = 8$ ports $b^{2} = 16$ ports (only with M8 connectors)						8DO-0.5A-N 8DO-R-NO CVI	
Type of Connectors						2RFID-S 2RFID-A (PROFIBUS DP only) 4AI-VI	
M8 = <b>picofast</b> <sup>®</sup> (8 mm) M12 = <b>eurofast</b> <sup>®</sup> (12 mm) M16 = <b>versafast</b> <sup>®</sup> (16 mm)						4A14AO-VI 4AO-V 2A12AO-VI	
Housing Style					I/O Type Po	sition #1	
S = Small Housing - One I/O slice M = Medium Housing - One I/O slice _ = Large Housing - Two I/O slices					4DI-P 4DI-N 4DI-PD	2RFID-A (PROFIBUS D 4AI-VI 4AI4AO-VI 4AO-V	P only)
Auxilliary Power Connector					8DI-P 8DI-N 8DI-PD	4AO-V 2AI2AO-VI 2AI-I	

(blank) = No Aux Power Connector T = Aux Power Present

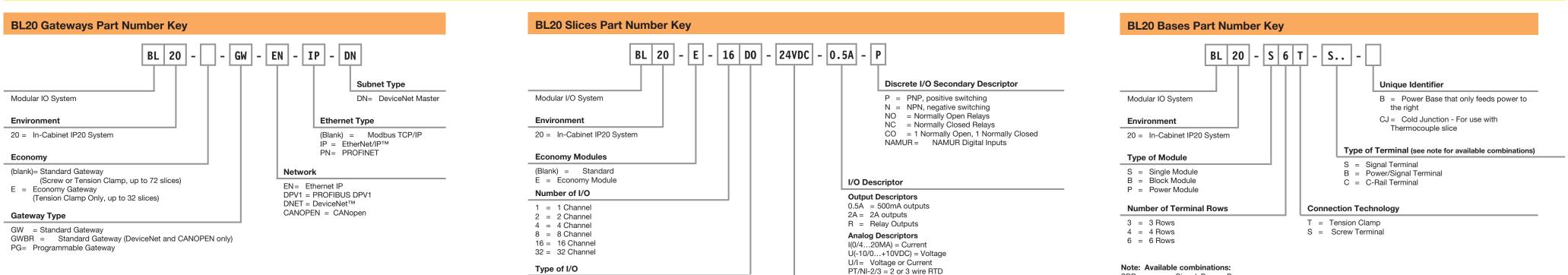
RS485/422 = RS485 or RS422 Serial

PF = Power Feed

# **On-Machine Block I/O**







# In-Cabinet Block I/O

## **AIM Stations Part Number Key** F DN 20 - 4 S - 4 XSG - E Fixed IO Station Network AS = AS-interface DN= Devicenet ® DP= Profibus DP Environment 20 = In-Cabinet IP20 System Number of IO Points 4 = 4 points of IO 4 = 4 points of IO 16 = 16 points of IO 32 = 32 points of IO Type of IO S = PNP Inputs

SN= NPN/PNP Inputs XSG = Universal PNP Input or 500 mA Output

# **Connectors and Mounting** (Blank) = Part Number Specific - Refer to documentation for details E = *eurofast*<sup>®</sup> connector - male only Number and Type of IO S = PNP Inputs SN= NPN/PNP Inputs

DR= Drive Interface

### Number of IO Points

XSG = Universal PNP Input or 500 mA Output

Manufacturer T = TURCK

DI = Digital Inputs

DO = Digital Outputs

AIH = Hart Analog Inputs

AOH = Hart Analog Outputs

CNT = High Speed Counter SSI = SSI Encoder Interface RS232 = RS232 Serial RS485-422 = RS485 or RS422 Serial

RFID-A = Radio Frequency Identification RFID-S = Radio Frequency Identification

SWIRE = SWIRE Master for Motor Starters

AI = Analog Inputs

AO= Analog Outputs

PF = Power Feed BR= Bus Refreshing

# Embeddability

B = Embeddable in metal

### (blank) = Standard Range LR = Long Range ER = Extended Range - Only reads SL1

**Barrel Material** 

(blank) = Nickel Plated Brass E = Stainless Steel

#### Housing Style

M = Threaded Barrel Q = Square or Rectangular Faced S = Ring CK= Cube

#### PT/NI-2/3 = 2 or 3 wire RTDTHERMO-PI = Thermocouple

#### **Operating Voltage Rating**

(blank) = 24 Volts - Direct Current 24VDC = 24 Volts - Direct Current 120/230VAC = 120 or 230 Volts - Alternating Current

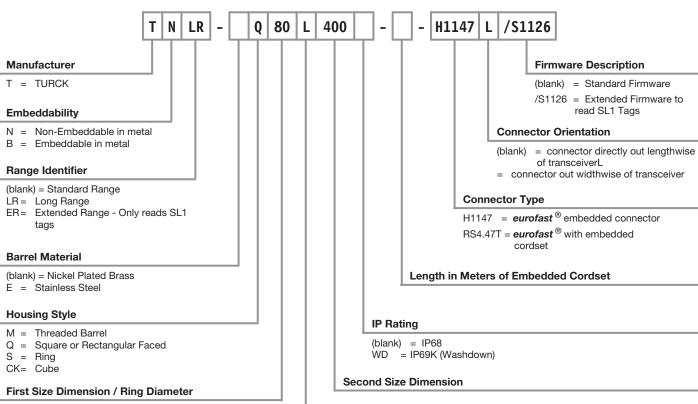
read SL1 Tags

#### SBB = Signal, Power, Power SBBC = Signal, Power, Power, C-Rail Term.

- SBBS = Signal, Power, Power, Signal
- SBBSBB = Signal, Power, Power, Signal, Power, Power
- = Signal, Power, C-Rail Term. SBC
- SBCS = Signal, Power, C-Rail Term., Signal
- SBCSBC = Signal, Power, C-Rail Term., Signal, Power, C-Rail Term.

# **RFID System - BL** *ident* - Standard Format

## **RFID Transceivers Part Number Key**

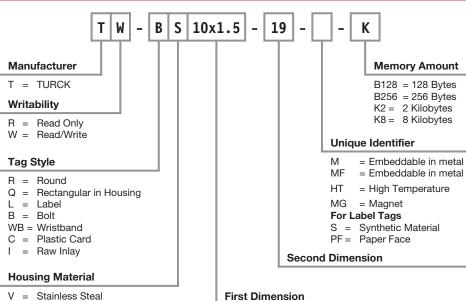


# **RFID Tags Part Number Key**

S = Steal

D = Delrin

P = Plastic

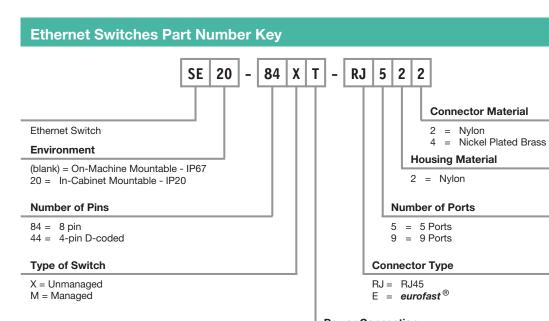


#### **First Dimension**

Second Dimension Description (blank) = Square or Round housing L = Length

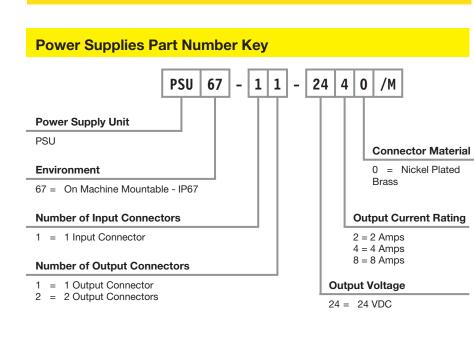
TURCK WORKS

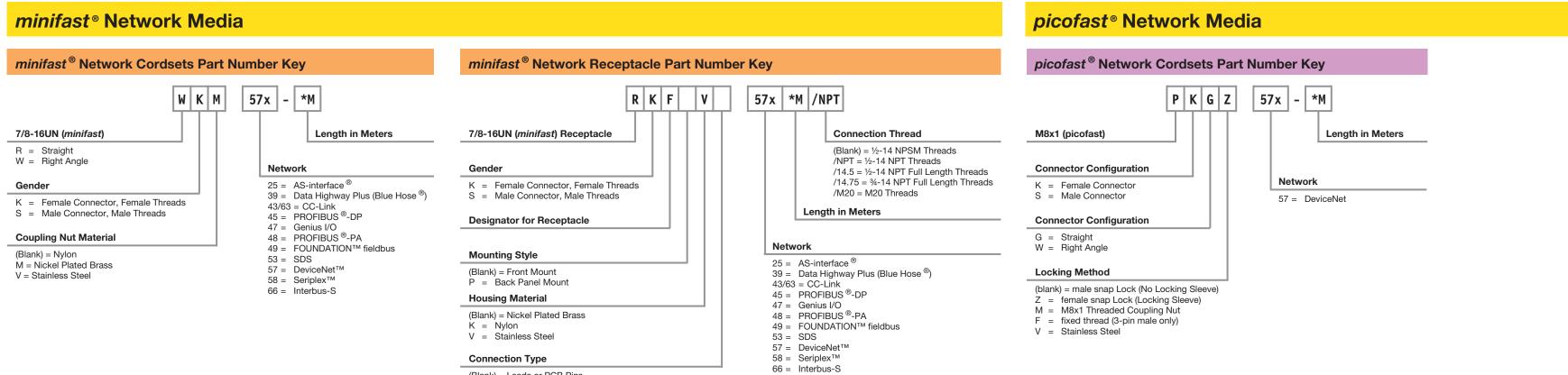
# **Ethernet Switches**



**Power Connection** (blank) = 5 pin *minifast* ® 4 = 4 pin *minifast*<sup>®</sup> T = Terminal Strip

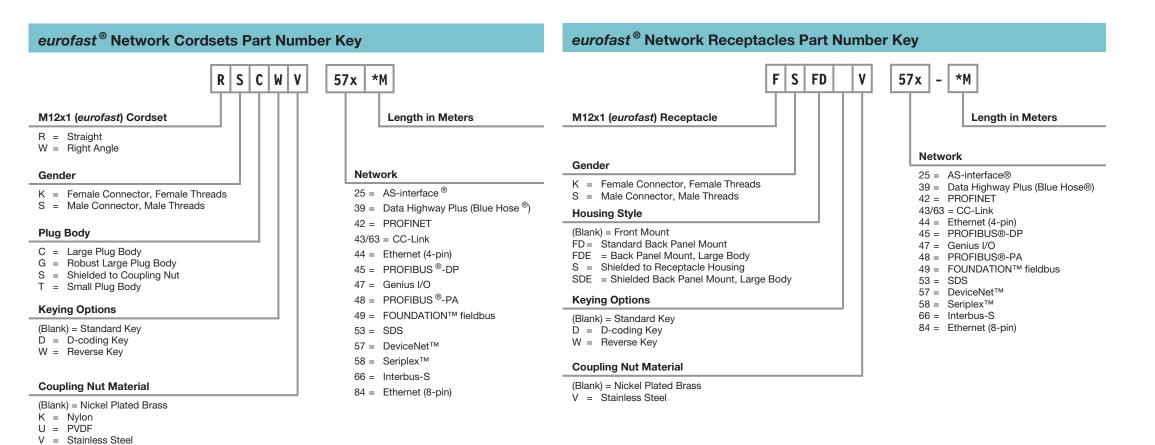
# **Power Supplies**





(Blank) = Leads or PCB Pins L = Solder Cup

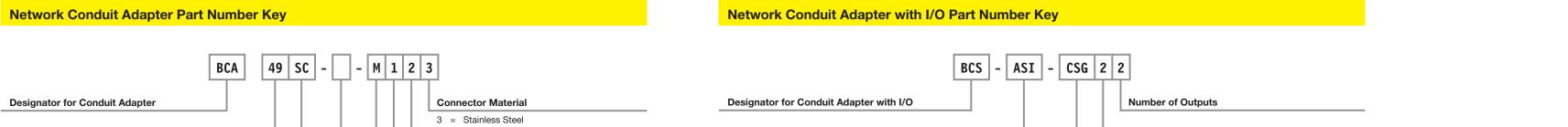
# eurofast® Network Media



**RJ Network Media** 

#### **RJ Network Cordsets Part Number Key** W RJ45 E S F 44x - \*M **Connector Configuration** Length in Meters (blank) = Straight Connector W = Right Angle Connector Connection Style Network 42 = PROFINET RJ45 = RJ45 Connector, 8 pins - 8 Connections 44 = Ethernet (4-pin) RJ11 = RJ11 Connector, 6 pins - 4 Connections RJ25 = RJ25 Connector, 6 pins - 6 Connections 84 = Ethernet (8-pin) Gender Right Angle Connection Style E = standards for external tab. Tab is on the (Blank) = Male = Female outside away from the cable I = Stands for Internal tab. The tab is to the inside. Towards the cable. Shielding (blank) = Unshielded S = Shielded

# **Network Conduit Adapters**



Protection       1 = 1 port         (blank)= None       2 = 2 ports         SC = Short-circuit       Connector Type         E = eurofast <sup>®</sup>	Network25 = AS-interface44 = Ethernet (4-pin)48 = PROFIBUS-PA49 = FOUNDATION fieldbus57 = DeviceNet84 = Ethernet (8pin)	4 = Nickel-Plated Brass Housing 2 = Nylon Number of Ports	Network ASI = AS-interface DN = DeviceNet	Number of Inputs         Type of I/O         (blank) = Inputs on same connector as Outputs         S = PNP, Group Input Short-circuit Detection, Earth Ground Pin 5
SC = Short-circuit $E = eurofast^{(B)}$	Protection			C = Combined -Inputs on different connector than outputs
Special Modifier	SC = Short-circuit		_	

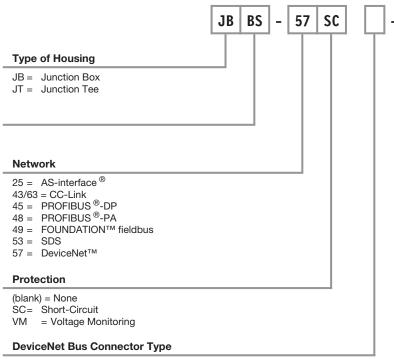
Conduit Bodies

**On-Machine Network Junctions Part Number Key** 

/40 = DeviceNet 4-pin Aux. Power

**Network Junctions** 

# In-Cabinet Network Junction Part Number Key



(Blank) = minifast Bus Connectors FS = Male M12 Bus Connectors FS/VM = Male M12 Bus Connector with Voltage Monitoring

M	6	3	3	м	
			I	picofast Connector Type	Type of Network Junction
				M = Threads S = Snap	JR = Junction Rail
			C	onnector Material	Network
		н	1 3 ous	<ul><li>Nickel-Plated Brass</li><li>Stainless Steel</li></ul>	25 = AS-interface® 48 = PROFIBUS®-PA 49 = FOUNDATION™ fieldbus 57 = DeviceNet™
		0	=	Aluminum (DeviceNet only)	Protection
		1 2 3 4	= = =	Aluminum (JBBS only) Fiberglass (JBBS only) Polyurethane (JTBS only) Hytrel (JTBS only) = Nylon (DeviceNet only)	(blank) = None SC = Short-Circuit VM = Voltage-Monitoring
N	lum	ber	of Po	orts	
6 8	=	4 po 6 po 8 po	orts orts		
	onr	nect	or Ty	уре	
E N P	1 =	euro min pico	ifast		

