Couplers with Coninvers Connectors M 23

Flange Couplers - Straight Couplers - T-Couplers - Elbow-Couplers





Flange Couplers
Pages D-B-01 to D-B-15





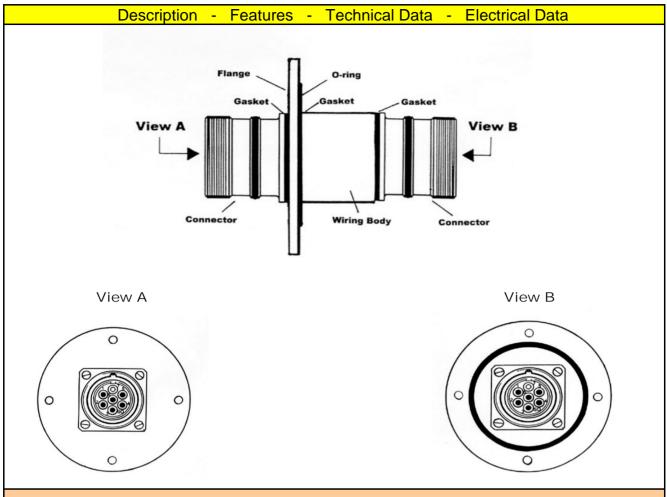
T-Couplers
Pages D-D-01 to D-D-07



Elbow Couplers
Pages D-E-01 to D-E-07

rear mount - front mount - metal flange - plastic flange





Housing material: CuZn, nickel plated (brass)

Connector insert: Thermoplastic polyester (UL 94V-0)

Flange material: CuZn, nickel plated (brass)
Flange material: Delrin, black (plastic flange)

Contact material: CuZn, hard gold plated

Gasket material: Neoprene

Temperature: -40 + 125 C / -40 + 257 F

Protection class: IP 67 (mated)

Inside wiring: 1:1

Positions: 6, 7, 8, 9, 12, 16, 17, 19 male or female

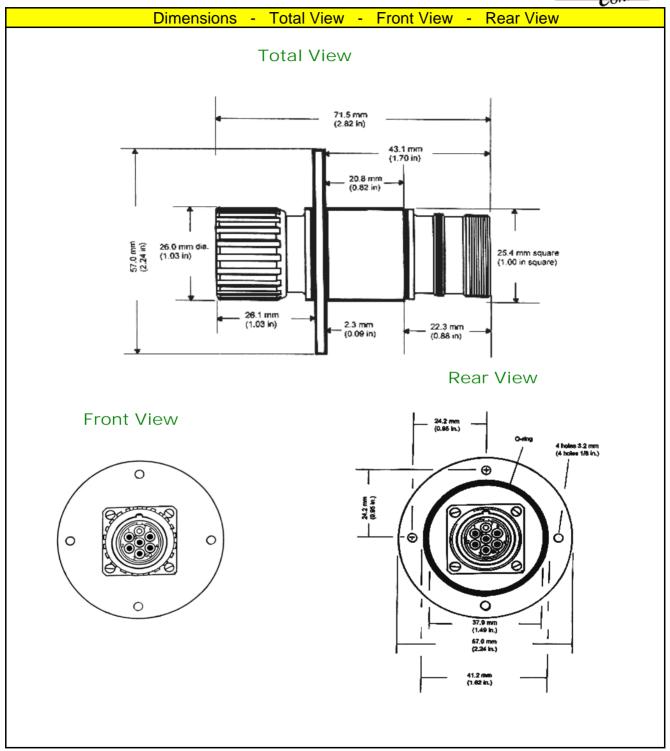
Thread sizes: M 23 (metric)

Inside wiring: 1.0 mm contacts 22AWG (0.34 mm²)

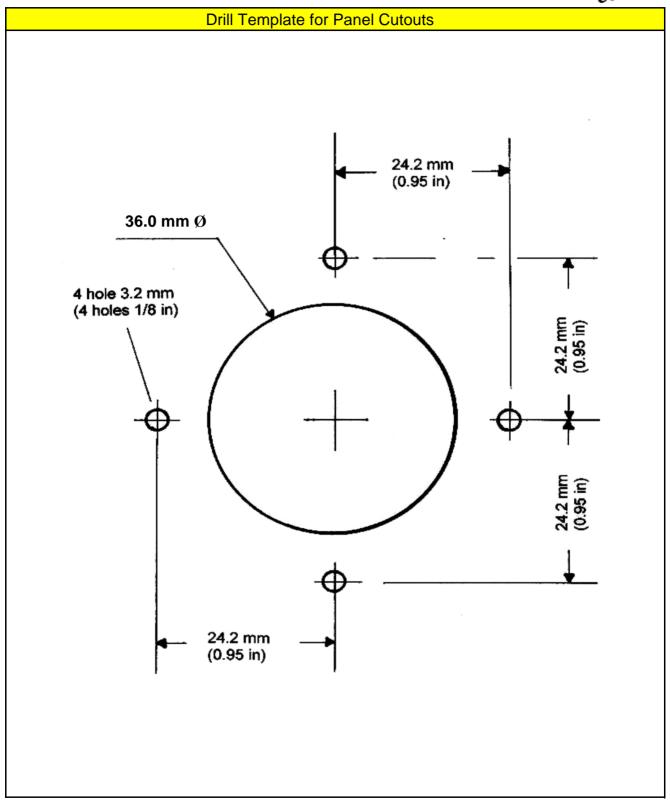
1.5 mm contacts 20AWG (0.50 mm²) 2.0 mm contacts 18AWG (0.75 mm²)

rear mount - front mount - metal flange - plastic flange









rear mount - front mount - metal flange - plastic flange



Part Number System	(Example)	-	Flange Orientation

RML -	- X	X X	X	1	X	X	X	Х	-	X	Х	х	-	X	X	ı
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R M L Flange coupler with Coninvers Data Connector

Metal flange O-ring facing to the right



R P L Flange coupler with Coninvers Data Connector
Plastic flange O-ring facing to the right



R M R Flange coupler with Coninvers Data Connector

Metal flange O-ring facing to the left



R P R Flange coupler with Coninvers Data Connector
Plastic flange O-ring facing to the left

S M L Flange coupler with Coninvers Power Connector

Metal flange O-ring facing to the right



S P L Flange coupler with Coninvers Power Connector
Plastic flange O-ring facing to the right

S M R Flange coupler with Coninvers Power Connector

Metal flange O-ring facing to the left



S P R Flange coupler with Coninvers Power Connector
Plastic flange O-ring facing to the left

rear/front mount - metal/plastic flange





Part Number System (Example) - Connector left side of coupler 0 6 F х х Х Х Х Χ Χ Χ 06 position Please fill in Please fill in female to continue to continue Data the part number the part number Connector 0 6 F 0 6 Please fill in Please fill in 06 position male to continue to continue Data the part number the part number Connector 6 M 0 M 0 6 Please fill in Please fill in 07 position female to continue to continue Data the part number the part number Connector 07 position Please fill in Please fill in male to continue to continue Data the part number the part number Connector 09 position Please fill in Please fill in female to continue to continue Data the part number the part number Connector Please fill in Please fill in 09 position male to continue to continue Data the part number the part number Connector 0 9 \cap 9 M 6+3 position Please fill in Please fill in female to continue to continue Data the part number the part number Connector 6 3 F 6 3 Please fill in Please fill in 6+3 position to continue to continue male Data the part number the part number Connector 6 3 M 3 M 12 position Please fill in Please fill in female to continue to continue Data the part number the part number Connector 2 2 1 F 12 position Please fill in Please fill in male to continue to continue Data the part number the part number Connector 2 M 2 M

rear/front mount - metal/plastic flange





Part Number System (Example) - Connector left side of coupler 0 6 F $X \quad X \quad X \quad X$ X X X - X Χ 16 position Please fill in Please fill in female to continue to continue the part number Data the part number Connector 6 6 Please fill in 16 position Please fill in male to continue to continue Data the part number the part number Connector 1 6 6 M 17 position Please fill in Please fill in female to continue to continue the part number the part number Data Connector 1 7 Please fill in Please fill in 17 position male to continue to continue Data the part number the part number Connector М 19 position Please fill in Please fill in female to continue to continue Data the part number the part number Connector 19 position Please fill in Please fill in male to continue to continue Data the part number the part number Connector M 6 position Please fill in female to continue Power the part number Ε Connector F 6 position Please fill in male to continue Power the part number Connector 5 M Ε 8 position Please fill in female to continue Power the part number Connector F Ε 8 position Please fill in male to continue Power the part number Μ Connector Ε

rear/front mount - metal/plastic flange





Part Number System (Example) - Connector right side of coupler 0 6 M 2 X X X -X X х х Χ Χ Χ Χ 06 position Please fill in Please fill in female to continue to continue Data the part number the part number Connector 0 6 F 6 06 position Please fill in Please fill in male to continue to continue Data the part number the part number 6 6 М Connector 0 M O 07 position Please fill in Please fill in female to continue to continue Data the part number the part number Connector Please fill in Please fill in 07 position male to continue to continue Data the part number the part number Connector Please fill in Please fill in 09 position female to continue to continue the part number Data the part number Connector Please fill in 09 position Please fill in male to continue to continue Data the part number the part number Connector 9 M M 6+3 position Please fill in Please fill in female to continue to continue Data the part number the part number Connector 6 3 F 6 3 F Please fill in Please fill in 6+3 position to continue to continue male Data the part number the part number Connector 6 3 M 6 3 M 2 12 position Please fill in Please fill in female to continue to continue Data the part number the part number 2 2 Connector F F 12 position Please fill in Please fill in male to continue to continue Data the part number the part number Connector 2 М 2 М

rear/front mount - metal/plastic flange





F	Part Numbe	<mark>r System (</mark>	Example) - (Connector r	ight side of co
x x x	- X X	X X -	0 6 M 2	- X X	x - x x
N N	16 position		Please fill in		Please fill in
2 12 13 X	female		to continue	A Common of the	to continue
14 SO 15 S	Data		the part number		the part number
	Connector		1 6 F Y	15	1 6 F 2
N	16 position		Please fill in		Please fill in
X 12 12 2	male		to continue	A Comment	to continue
15 PO 14	Data		the part number		the part number
	Connector		1 6 M Y	15	1 6 M 2
N	17 position	(Please fill in		Please fill in
X	female		to continue		to continue
14 17 15	Data		the part number		the part number
	Connector		1 7 F Y	J.	1 7 F 2
N	17 position		Please fill in		Please fill in
× 10 12 13 1	male		to continue	()	to continue
(15 17 17 18	Data		the part number		the part number
	Connector		1 7 M Y	15	1 7 M 2
N	19 position		Please fill in	-	Please fill in
	female		to continue		to continue
	Data	1	the part number		the part number
	Connector		1 9 F Y	15	1 9 F 2
N	19 position		Please fill in		Please fill in
12 12 13 -N	male		to continue		to continue
(60 16 14 04)	Data		the part number		the part number
	Connector		1 9 M Y	15	1 9 M 2
1	6 position		Please fill in		
	female	A second	to continue		
(O)	Power		the part number		
	Connector		5 E F Y		
	6 position				Please fill in
	male				to continue
	Power				the part number
	Connector			15	5 E M W
	8 position		Please fill in		
	female	A Comment	to continue	1	
	Power		the part number	1	
	Connector		7 E F Y		
	8 position				Please fill in
	male				to continue
	Power				the part number
100	Connector			15	7 E M W

rear/front mount - metal/plastic flange





	Part Number System (Example) - Inside Wiring
x x x -	- x x x x - x x x x - S T A - x x
	Wiring Information
STA	Standard Wiring (see page D-B-01)
0 2 4	All pins are wired with 24 AWG (0.25 mm ²)
0 2 2	All pins are wired with 22 AWG (0.34 mm ²)
0 2 0	All pins are wired with 20 AWG (0.50 mm ²)
0 1 8	All pins are wired with 18 AWG (0.75 mm ²)
0 1 7	All pins are wired with 17 AWG (1.00 mm ²)
0 1 6	All pins are wired with 16 AWG (1.50 mm ²)
0 1 4	All pins are wired with 14 AWG (2.50 mm ²)
0 1 2	All pins are wired with 12 AWG (4.00 mm ²)
Other com	binations are possible, please call.

rear/front mount - metal/plastic flange

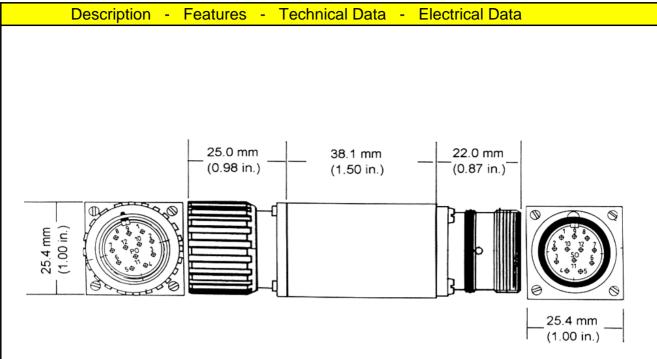




	3	Connectis
F	Part Number System (Example) - Connector Numb	ering
x x x	- x x x x - x x x - x x x	CW
CW	Male connectors numbering clockwise	
CW	Female connectors numbering counterclockwise	
CC	Male connectors numbering counterclockwise	
CC	Female connectors numbering clockwise	
With th	is information you finished the P/N	N

Gender Changers (GC)





Housing material: CuZn, nickel plated (brass)

Connector insert: Thermoplastic polyester (UL 94V-0)

Contact material: CuZn, hard gold plated

Gasket material: Neoprene

Temperature: -40 + 125 C (-40 + 257 F)

Protection class: IP 67 (mated)

Inside wiring: 1:1

Positions: 6,7,8,9,12,16,17,19 male or female

Thread sizes: M 23 (metric)

Wires used: 1.0 mm contacts 22AWG (0.34 mm²)

1.5 mm contacts 20AWG (0.50 mm²) 2.0 mm contacts 18AWG (0.75 mm²)

Straight Couplers Gender Changers (GC)





Part Number System (Example) - Connector left side of Coupler GG -0 6 F Χ $X \quad X \quad X$ Χ x x -Χ Please fill in Please fill in 06 position female to continue to continue the part number Data the part number Connector 6 0 6 Please fill in Please fill in 06 position male to continue to continue Data the part number the part number Connector 6 6 07 position Please fill in Please fill in female to continue to continue Data the part number the part number Connector 7 07 position Please fill in Please fill in male to continue to continue Data the part number the part number Connector 0 7 M 0 7 M 09 position Please fill in Please fill in female to continue to continue the part number the part number Data Connector 09 position Please fill in Please fill in male to continue to continue Data the part number the part number Connector 9 9 M M O 2 6+3 position Please fill in Please fill in female to continue to continue Data the part number the part number 3 Connector 6 3 6+3 position Please fill in Please fill in male to continue to continue Data the part number the part number Connector 3 3 12 position Please fill in Please fill in female to continue to continue Data the part number the part number Connector 2 2 12 position Please fill in Please fill in male to continue to continue Data the part number the part number Connector 2 2 M

Gender Changers (GC)





M

Ε

Part Number System (Example) - Connector left side of Coupler 0.6 Fх х Χ Х Χ Χ Χ Χ 16 position Please fill in Please fill in female to continue to continue Data the part number the part number Connector 6 6 16 position Please fill in Please fill in male to continue to continue Data the part number the part number Connector 6 M 6 2 17 position Please fill in Please fill in female to continue to continue Data the part number the part number Connector 7 7 17 position Please fill in Please fill in male to continue to continue the part number the part number Data Connector M 19 position Please fill in Please fill in female to continue to continue Data the part number the part number Connector 9 9 2 19 position Please fill in Please fill in male to continue to continue the part number Data the part number Connector 9 Μ M Please fill in 6 position female to continue Power the part number Connector Ε 6 position Please fill in male to continue Power the part number Connector Ε Μ W 8 position Please fill in female to continue Power the part number Ε F Connector 8 position Please fill in male to continue Power the part number

Connector

Gender Changers (GC)





Part Num	<mark>iber System</mark>	(Example	e) - Connector	right side	of Coupler
GG-	x x x	x - 0	6 M 2 -	x x x	- x x
N	06 position female Data Connector		Please fill in to continue the part number 0 6 F Y		Please fill in to continue the part number 0 6 F 2
	06 position male Data Connector		Please fill in to continue the part number 0 6 M Y		Please fill in to continue the part number 0 6 M 2
	07 position female Data Connector		Please fill in to continue the part number 0 7 F Y		Please fill in to continue the part number 0 7 F 2
N N N N N N N N N N N N N N N N N N N	07 position male Data Connector		Please fill in to continue the part number 0 7 M Y		Please fill in to continue the part number 0 7 M 2
N 2 9 8 X 30 6 6	09 position female Data Connector		Please fill in to continue the part number 0 9 F Y		Please fill in to continue the part number 0 9 F 2
	09 position male Data Connector		Please fill in to continue the part number 0 9 M Y		Please fill in to continue the part number 0 9 M 2
N So So So	6+3 position female Data Connector		Please fill in to continue the part number 6 3 F Y		Please fill in to continue the part number 6 3 F 2
	6+3 position male Data Connector		Please fill in to continue the part number 6 3 M Y		Please fill in to continue the part number 6 3 M 2
N 9 10 12 8 80 9 1 0 5	12 position female Data Connector		Please fill in to continue the part number 1 2 F Y		Please fill in to continue the part number 1 2 F 2
X (5 9) Y (7 0 12 10 0 2) PO (11 0 0 2)	12 position male Data Connector		Please fill in to continue the part number 1 2 M Y		Please fill in to continue the part number 1 2 M 2

Gender Changers (GC)





Part Num	<mark>ber System</mark>	<mark>(Example</mark>	<mark>) - Connecto</mark>	<mark>r right side</mark>	of Coupler
GG-	x x x	x - 0	6 M 2 -	x x x	- x x
N 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	16 position female Data Connector		Please fill in to continue the part number 1 6 F Y		Please fill in to continue the part number 1 6 F 2
Z 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	16 position male Data Connector	M	Please fill in to continue the part number 1 6 M Y		Please fill in to continue the part number 1 6 M 2
Z	17 position female Data Connector	1999	Please fill in to continue the part number 1 7 F Y		Please fill in to continue the part number 1 7 F 2
Z 22 27 10 10 10 10 10 10 10 10 10 10 10 10 10	17 position male Data Connector	M	Please fill in to continue the part number 1 7 M Y		Please fill in to continue the part number 1 7 M 2
Z 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	19 position female Data Connector		Please fill in to continue the part number 1 9 F Y		Please fill in to continue the part number 1 9 F 2
Z 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2 2	19 position male Data Connector	A.	Please fill in to continue the part number 1 9 M Y		Please fill in to continue the part number 1 9 M 2
	6 position female Power Connector		Please fill in to continue the part number 5 E F Y		
	6 position male Power Connector				Please fill in to continue the part number 5 E M W
1	8 position female Power Connector		Please fill in to continue the part number 7 E F Y		
	8 position male Power Connector				Please fill in to continue the part number 7 E M W

Gender Changers (GC)





Part	Number System (Example) - Inside Wiring
G G - >	x x x x - x x x x - S T A - x x
	Wiring Information
STA	Standard Wiring (see page D-C-01)
0 2 4	All pins are wired with 24 AWG (0.25 mm ²)
0 2 2	All pins are wired with 22 AWG (0.34 mm ²)
0 2 0	All pins are wired with 20 AWG (0.50 mm ²)
0 1 8	All pins are wired with 18 AWG (0.75 mm ²)
0 1 7	All pins are wired with 17 AWG (1.00 mm ²)
0 1 6	All pins are wired with 16 AWG (1.50 mm ²)
0 1 4	All pins are wired with 14 AWG (2.50 mm ²)
0 1 2	All pins are wired with 12 AWG (4.00 mm ²)
Other com	binations are possible, please call.

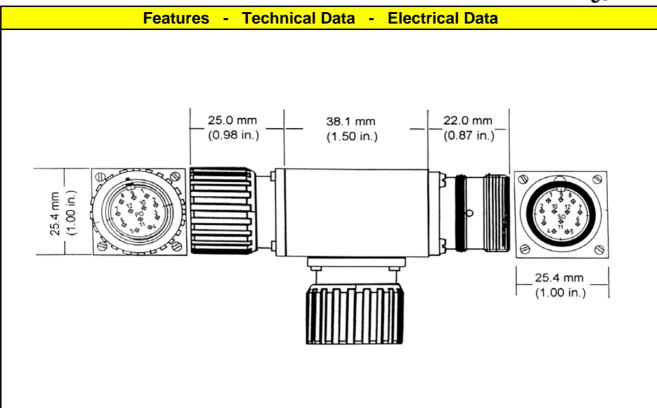
Gender Changers (GC)





Part Number System (Example) - Connector Numbering G G Male connectors numbering clockwise Female connectors numbering counterclockwise Male connectors numbering counterclockwise Female connectors numbering clockwise With this information you finished the P/N.





Housing material: CuZn, nickel plated (brass)

Connector insert: Thermoplastic polyester (UL 94V-0)

Contact material: CuZn, hard gold plated

Gasket material: Neoprene

Temperature: -40 + 125 C (-40 + 257 F)

Protection class: IP 67 (mated)

Inside wiring: 1:1

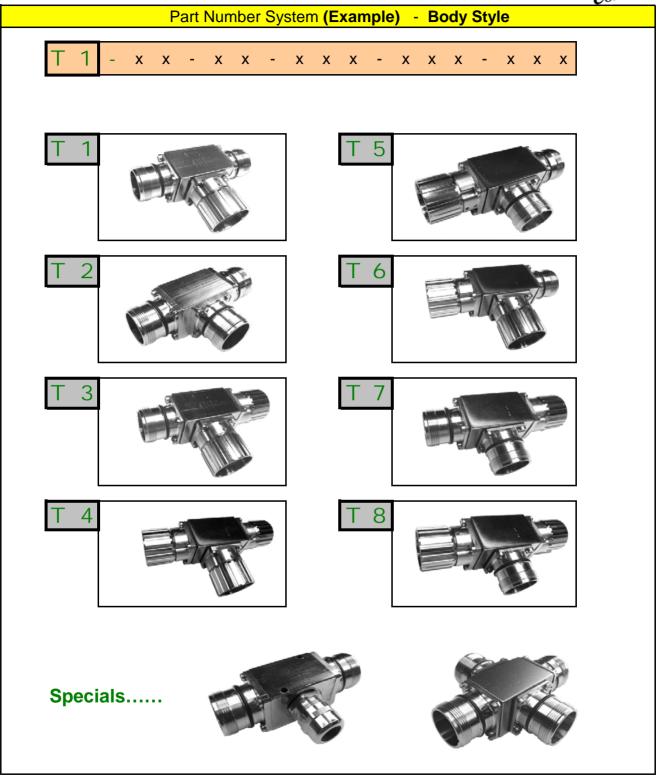
Positions: 6,7,9,12,16,17,19 male or female

Thread sizes: M 23 (metric)

Wires used: 1.0 mm contacts 22AWG (0.34 mm²)

1.5 mm contacts 20AWG (0.50 mm²) 2.0 mm contacts 18AWG (0.75 mm²)







Part Num	nber Systen	∩ (Example) - Connector In	nserts and Positions
x x - 0	6 - x	x - x x x - x x	x - x x x
N N N N N N N N N N N N N N N N N N N	N N N N N N N N N N N N N N N N N N N	Coupler with 06 position Data Connectors male/femal	Please fill in 0 6
N N N N N N N N N N N N N N N N N N N	N N N N N N N N N N N N N N N N N N N	Coupler with 07 position Data Connectors male/female	Please fill in O 7
X	N X 2 9 9 X 3 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Coupler with 09 position Data Connectors male/female	Please fill in O 9
N 10 10 10 10 10 10 10 10 10 10	N 2 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9 9	Coupler with 6 + 3 position Data Connectors male/female	Please fill in 6 3
× 9 9 0 2	N 3 3 3 X 2 19 2 3 X	Coupler with 12 position Data Connectors male/female	Please fill in 1 2
X PO 1	N S S S S	Coupler with 16 position Data Connectors male/female	Please fill in 1 6
N 1 P P P P P P P P P P P P P P P P P P P	N N N N N N N N N N N N N N N N N N N	Coupler with 17 position Data Connectors male/female	Please fill in 1 7
N N N N N N N N N N N N N N N N N N N	Z 2 2 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3 3	Coupler with 19 position Data Connectors male/female	Please fill in 1 9

3 Way - Couplers



Р	Part Number System (Example) - Connector Numbering
x x - x	x x - C W - x x x - x x x x
C W	Male connectors numbering clockwise
C W	Female connectors numbering counterclockwise
CC	Male connectors numbering counterclockwise
CC	Female connectors numbering clockwise

3 Way - Couplers

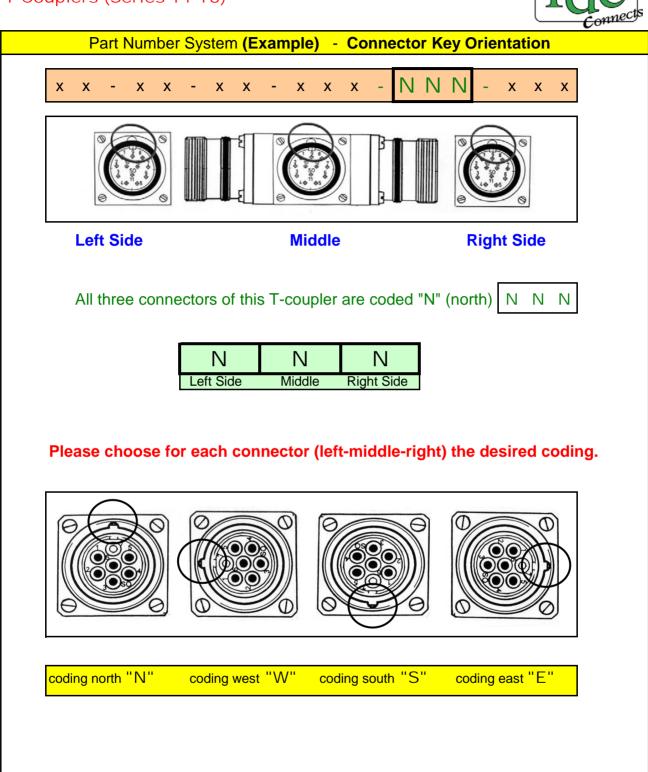
T-Couplers (Series T1-T8)



Middle Gender

Left Gender	Middle Gender	Right Gender	Ple	ase fill ir	۱
Male Connector	Male Connector	Female Connector	М	М	F
Male Connector	Male Connector	Male Connector	М	M	М
Male Connector	Female Connector	Male Connector	М	F	М
Male Connector	Female Connector	Female Connector	М	F	F
Female Conntecor	Female Connector	Female Connector	F	F	F
Female Conntecor	Female Connector	Male Connector	F	F	М
Female Conntecor	Male Connector	Male Connector	F	М	М
Female Conntecor	Male Connector	Female Connector	F	M	F





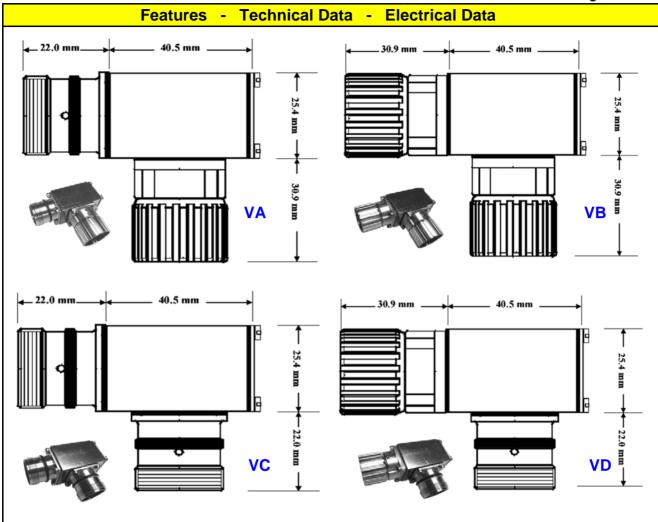


Part	Number System (Example) - Inside Wiring
x x - x x	x - x x - x x x - x x x - S T A
	Wiring Information
STA	Standard Wiring (see page D-D-01)
0 2 4	All pins are wired with 24 AWG (0.25 mm ²)
0 2 2	All pins are wired with 22 AWG (0.34 mm ²)
0 2 0	All pins are wired with 20 AWG (0.50 mm ²)
0 1 8	All pins are wired with 18 AWG (0.75 mm ²)
0 1 7	All pins are wired with 17 AWG (1.00 mm ²)
0 1 6	All pins are wired with 16 AWG (1.50 mm ²)
0 1 4	All pins are wired with 14 AWG (2.50 mm ²)
0 1 2	All pins are wired with 12 AWG (4.00 mm ²)
Other com	binations are possible, please call.

Elbow-Couplers (Series VA, VB, VC, VD)







Housing material: CuZn, nickel plated (brass)

Connector insert: Thermoplastic polyester (UL 94V-0)

Contact material: CuZn, hard gold plated

Gasket material: Neoprene

Temperature: -40 + 125 C (-40 + 257 F)

Protection class: IP 67 (mated)

Inside wiring: 1:1

Positions: 6,7,9,12,16,17,19 male or female

Thread sizes: M 23 (metric)

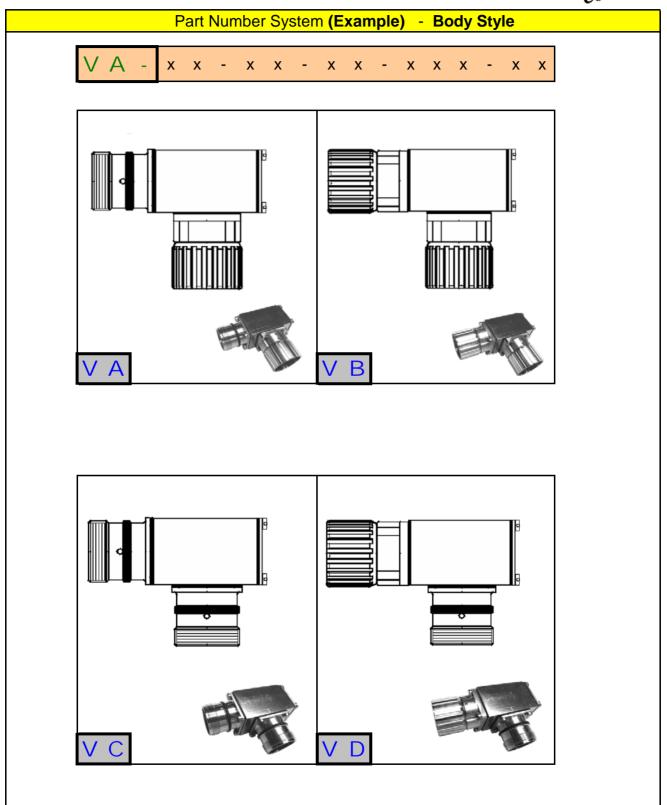
Wires used: 1.0 mm contacts 22AWG (0.34 mm²)

1.5 mm contacts 20AWG (0.50 mm²)

2.0 mm contacts 18AWG (0.75 mm²)









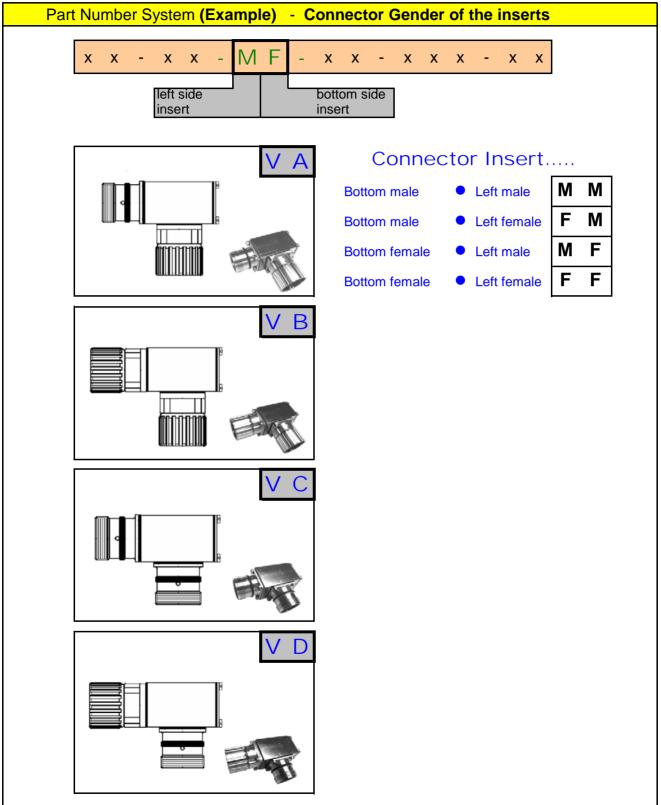


Part Nun	nber Systen	<mark>լ (Exam</mark>	nple) -	Conr	ector	Ins	<mark>erts a</mark>	nd Pos
Х Х -	0 6 -	х х	- X	х -	Х	х	х -	х х
N N N N N N N N N N N N N N N N N N N	N N N N N N N N N N N N N N N N N N N		r with 06			I	Pleas	e fill in
N O O O O	N N N N N N N N N N N N N N N N N N N		r with 07			le	Pleas	e fill in
N N N N N N N N N N N N N N N N N N N	N 2 9 8 30 6 30 6		r with 09 onnectors			le	Pleas	e fill in
N S P S S	N 9 9 9 9 80 • 6		r with 6 +	-		le		e fill in
X 2 2 10 2 2 10 2 2 11 4 2 2 10 2 2 11 4 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10 2 2 10	N 3 3 3 X		r with 12			le	Pleas	e fill in
X	N 1 SO S		r with 16			le	Pleas	e fill in
N N N N N N N N N N N N N N N N N N N	N N N N N N N N N N N N N N N N N N N		r with 17			le	Pleas	e fill in
N 22 3 3 4 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5 5	Z D D D D D D D D D D D D D D D D D D D		r with 19	•		le	Pleas	e fill in



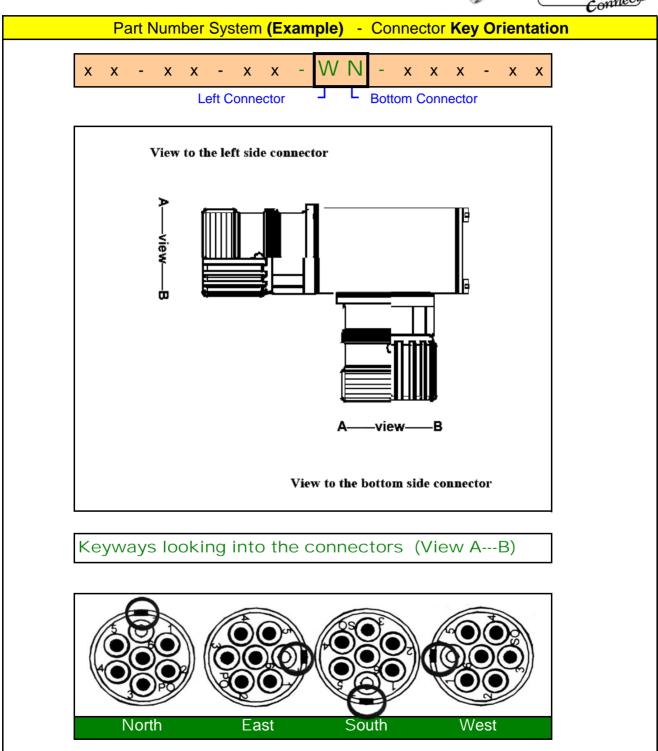
















Part	Number System (Example) - Inside Wiring
x x - x	x - x x - x x - S T A - x x
	Wiring Information
STA	Standard Wiring (see page D-E-01)
0 2 4	All pins are wired with 24 AWG (0.25 mm ²)
0 2 2	All pins are wired with 22 AWG (0.34 mm ²)
0 2 0	All pins are wired with 20 AWG (0.50 mm ²)
0 1 8	All pins are wired with 18 AWG (0.75 mm ²)
0 1 7	All pins are wired with 17 AWG (1.00 mm ²)
0 1 6	All pins are wired with 16 AWG (1.50 mm ²)
0 1 4	All pins are wired with 14 AWG (2.50 mm ²)
0 1 2	All pins are wired with 12 AWG (4.00 mm ²)
Other com	binations are possible, please call.





	Connect
	Part Number System (Example) - Connector Numbering
хх	- x x - x x - x x - C W
C W	Male connectors numbering clockwise
C W	Female connectors numbering counterclockwise
C C	Male connectors numbering counterclockwise
C C	Female connectors numbering clockwise