



CONNECTIVITY

EXPLOSIONPROOF STARLINE

XP STARLINE FEATURES



NEC/CEC Certifications

-  **Class I, Div. 1 & 2, Groups C & D at 480VAC; 60/400 Hz, Circuit-Breaking**
-  **Class I, Div 1 & 2, Groups B, C & D Class II, Div.1, Groups F & G at 600VAC, 60/400 Hz, Circuit-Breaking.**
- AEx d IIC T6**

ATEX/IECEX Certifications

-  **II 2 GD Ex d IIC IP 66/67 T 70°C 1000VAC, 500VDC**

FEATURES-SPECIFICATIONS

Features

- **SEALING.** All junction box, NPT and panel mount receptacles are pre-wired and factory sealed eliminating the need for external seals.
- **COVERS.** Environmental threaded covers are standard with all connectors.
- **PIGTAILS.** Receptacle leads may be ordered in any length.
- **REVERSE SERVICE** Vantage connectors were the first explosionproof connectors to secure both UL and CSA listing with reverse service inserts. Their ATEX listing also supports reverse service. This feature provides electrical safety where lineside power is carried from the plug to a receptacle.
- **KEYING.** Inserts can be keyed for phase and voltage separation.
- **COLOR CODING.** Connectors may be ordered in a range of colors and combinations of color.
- **CUSTOM ASSEMBLIES.** Available to user's specifications.
- **CIRCUIT-BREAKING:** UL and CSA Listed to make/break at full rated load. These connectors were required to pass an overload test of 50 cycles at 150% of their ampere rating in a chamber filled with a test mixture of hazardous vapors.

- **INSERT PATTERNS** Grounding inserts with 3, 4, 5, and 6 contacts are described as 2 Pole / 3 Wire, 3 Pole / 4 Wire, 4 Pole / 5 Wire, and 3 Pole / 4 Wire plus 2 relay length contacts. The ground pin is longer and will make first - break last, an important safety feature.
- **COLOR CODING** Plugs and receptacles are available with color coding variations for specific application identification. This coding could include the plug coupling nut and cover with matching colors on various receptacle components.



Materials

- **CORROSION RESISTANCE** Designed for corrosive environments, junction boxes are sand cast, copper-free aluminum, protected by our VanGuard baked polymer finish system. Plug and receptacle shells are machined from 6061-T6 aluminum (0.15 to 0.40% copper by weight) and finished by hard anodizing. SD/SF plug and receptacle shells are machined from 316 stainless steel.

Electrical Ratings

- **CONTROL INSERTS:** Multi-pin inserts can be specified for either crimp or solder termination with contacts whose size and amp ratings are as follows (inserts with the highest contact density per shell size are):

Shell 16	61 - #18 AWG contacts
Shell 20	90 - #18 AWG contacts
Shell 24	100 - #16 AWG contacts

CONTROL CONNECTORS

- Amperage = Up to 30A
- Voltage = Up to 250VAC, 125VDC
- Frequency = 50/60/400 Hz

POWER CONNECTORS

- Amperage = Up to 200A
- Voltage = Up to 1000VAC, 500VDC
- Frequency = 50/60/400 Hz

PIN - SOCKET WIRE SIZE	AMPS	
		
18 AWG (.75 mm ²)	3.5	10
16 AWG (1.5 mm ²)	6.5	15
12 AWG (4.0 mm ²)	10	20
8 AWG / (10 mm ²)	30	32
4 AWG / (25 mm ²)	60	63
1/0 AWG / (55 mm ²)	100	125
4/0 (120 mm ²)	200	260



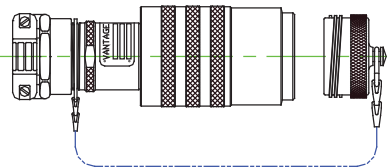
EXPLOSIONPROOF STARLINE



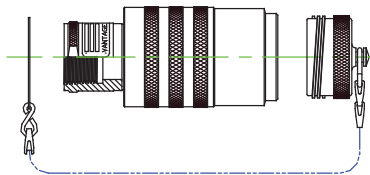
XP STARLINE FEATURES

The **VANTAGE XP STAR-LINE SERIES** of explosionproof connectors is offered in a variety of materials and configurations. Product options and an array of third party listings mean we have a solution for your application. Note, options and features may vary based on third party listing.

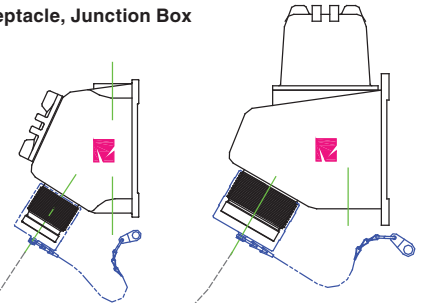
Plug, Attachment (Mechanical Clamp)



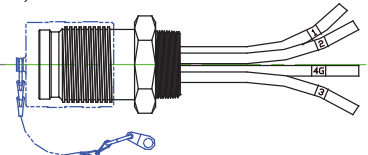
Plug, Tapped NPT (for use with Cable Gland)



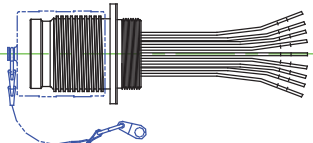
Receptacle, Junction Box



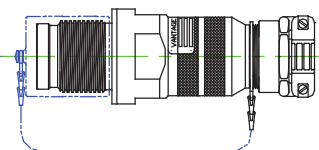
Receptacle, NPT Panel Mount



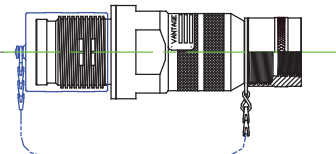
Receptacle, Panel Mount



Receptacle, Attachment (Mechanical Clamp)



Receptacle, Tapped NPT (for use with Cable Gland)



VICTORY SERIES MACHINED, HARD ANODIZED ALUMINUM

			
GD POWER	II 2 GD EEx d IIC T6 IP 66/67 T 70°C	Class I, Division 1, Groups B, C & D Class II, Division 1, Groups F & G	Class I, Division 1, Groups C & D
AF CONTROL			

MILLENNIUM SERIES STAINLESS STEEL, ALLOY 316

SD POWER	II 2 GD EEx d IIC T6 IP 66/67 T 70°C	Class I, Division 1, Groups B, C & D Class II, Division 1, Groups F & G	
SF CONTROL		Class I, Division 1, Groups B, C & D Class II, Division 1, Groups F & G	

RECEPTACLE STYLES

JUNCTION BOX	ATTACHMENT (MECHANICAL CLAMP)	PANEL MOUNT	NPT PANEL MOUNT	TAPPED NPT
				

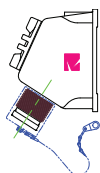
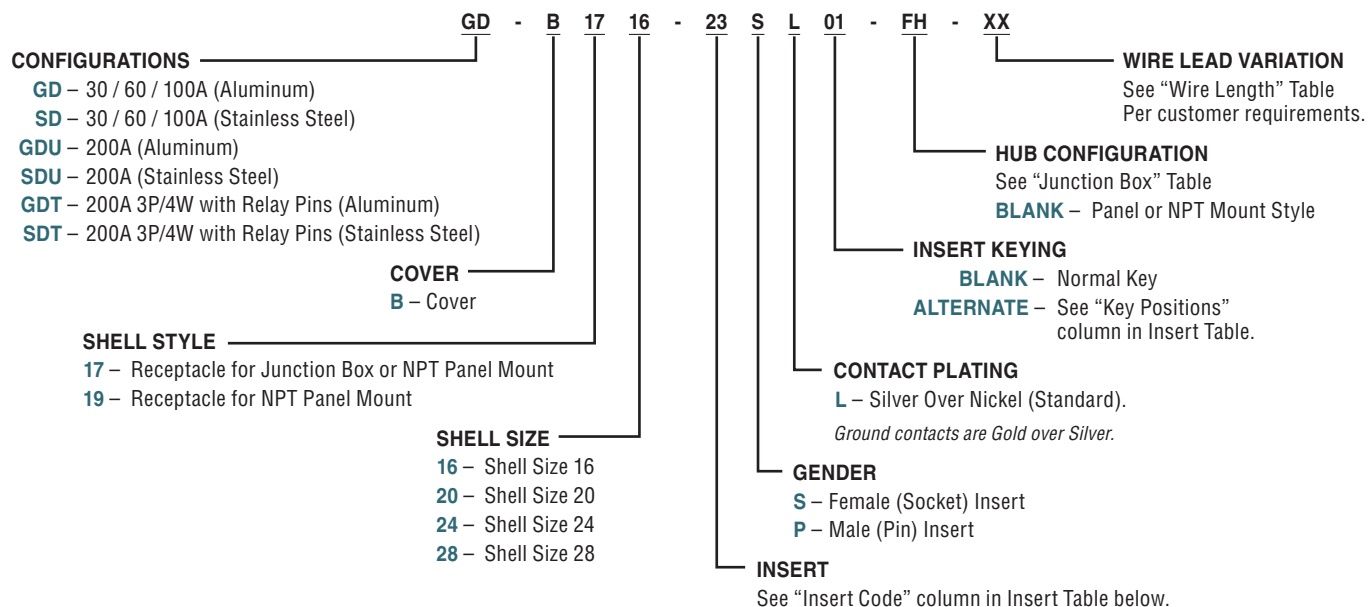


CONNECTIVITY

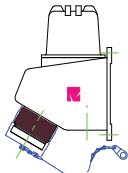
EXPLOSIONPROOF STARLINE

CODE LOGIC • GD & SD RECEPTACLES

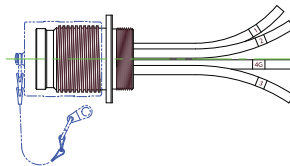
CATALOG LOGIC



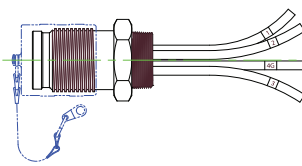
Receptacle, Junction Box



Receptacle, Junction Box



Receptacle, Panel Mount



Receptacle, NPT Panel Mount

INSERT TABLE					
AMPERES		INSERT	SHELL SIZE	INSERT CODE	KEY POSITIONS (N = NORMAL POSITION)
UL	CS US				
30	32	2 POLE, 3 WIRE	16	51	N + 5
		3 POLE, 4 WIRE	16	23	N + 5
		4 POLE, 5 WIRE	20	36	N + 2
60	63	2 POLE, 3 WIRE	20	61	N + 7
		3 POLE, 4 WIRE	20	40	N + 4
		4 POLE, 5 WIRE	24	29	N + 3
100	125	2 POLE, 3 WIRE	24	60	N + 7
		3 POLE, 4 WIRE	24	39	N + 5
		4 POLE, 5 WIRE	28	23	N + 3
200	260	2 POLE, 3 WIRE	28	30	N + 9
		3 POLE, 4 WIRE	28	31	N + 10
		5 POLE 6 WIRE (3 POLE 4 WIRE and 2 relay contacts)	28	42	N + 3

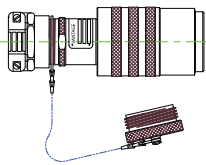
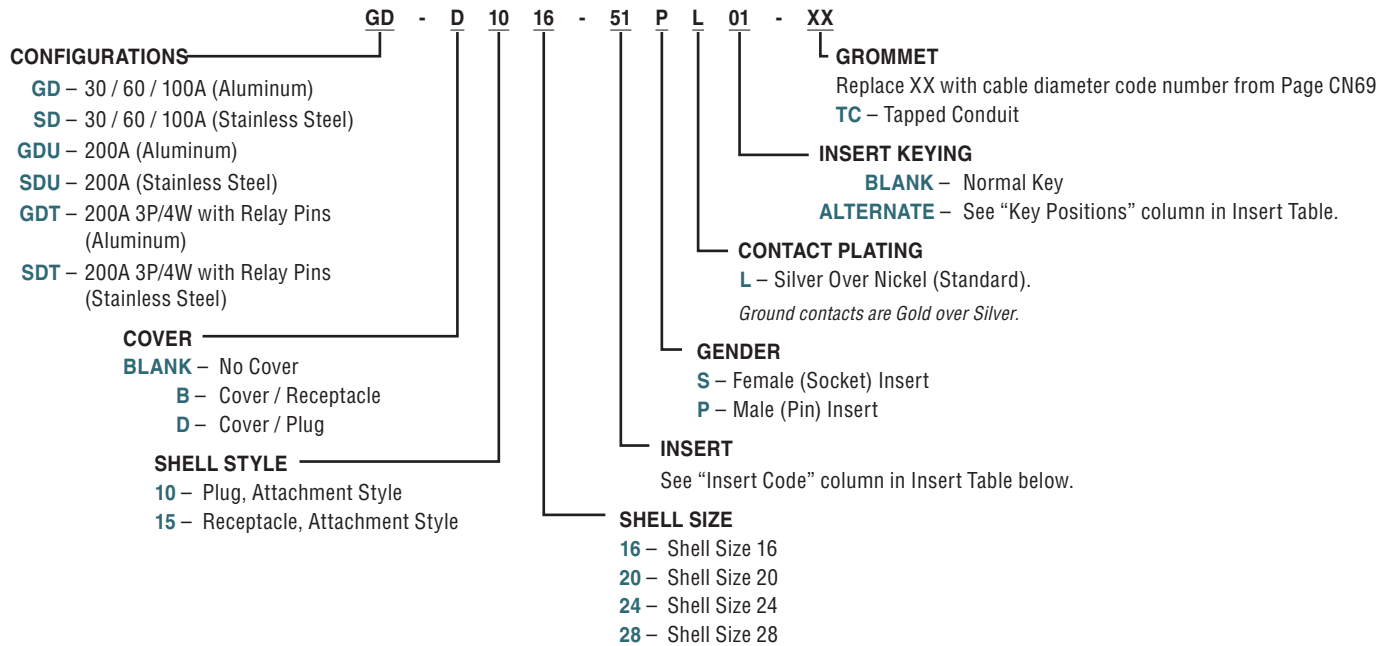
WIRE LENGTH		
CODE	LENGTH	
	INCHES	METERS
L12	12	0.31
L24	24	0.61
L36	36	0.91
Etc	Etc	

JUNCTION BOX		
SHELL SIZE	CONDUIT HUB LOCATION	CONDUIT HUB SIZE (INCHES)
16 & 20	'F' TOP & BOTTOM	'H' 1½ - 1½ NPT
24	'B' BOTTOM	'K' 2½ - 8 NPT
28	'B' BOTTOM	'L' 3 - 8 NPT

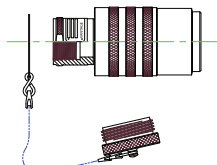
EXPLOSIONPROOF STARLINE



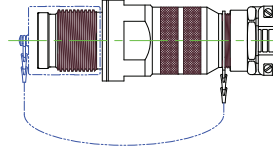
CODE LOGIC • GD & SD ATTACHMENT CONNECTORS



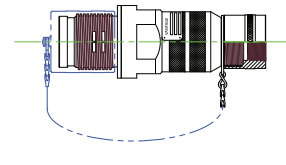
Plug, Attachment



Plug, Tapped Conduit



Receptacle, Attachment



Receptacle, Tapped Conduit

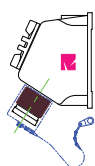
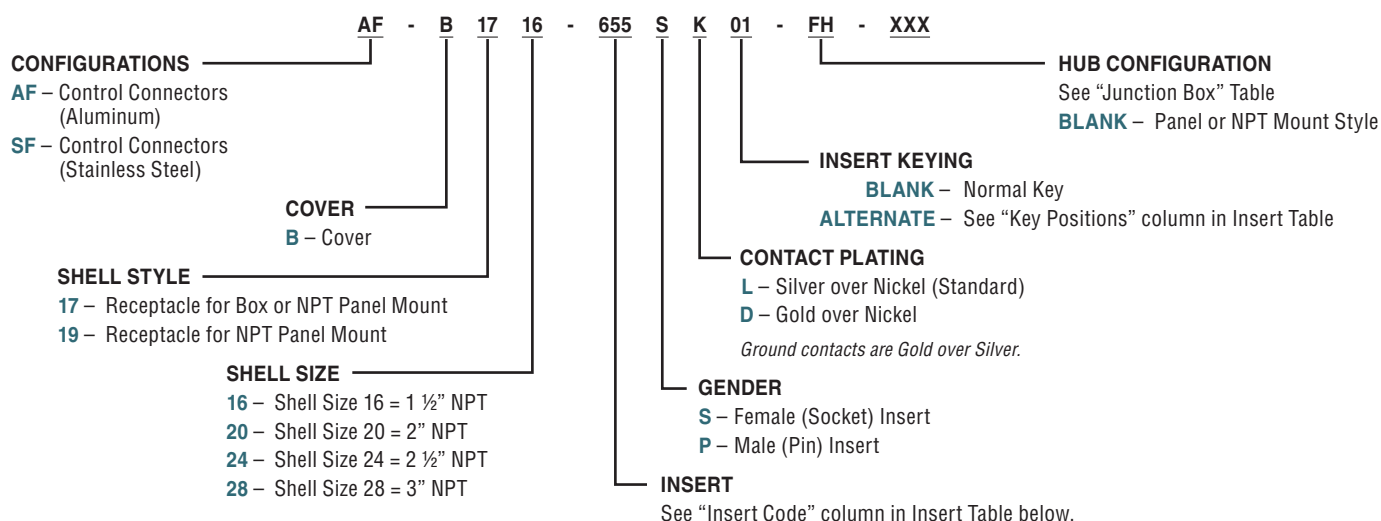
INSERT TABLE					
AMPERES			INSERT	SHELL SIZE	INSERT CODE
UL	SP	Ex			
30	32		2 POLE, 3 WIRE	16	51
			3 POLE, 4 WIRE	16	23
			4 POLE, 5 WIRE	20	36
60	63		2 POLE, 3 WIRE	20	61
			3 POLE, 4 WIRE	20	40
			4 POLE, 5 WIRE	24	29
100	125		2 POLE, 3 WIRE	24	60
			3 POLE, 4 WIRE	24	39
			4 POLE, 5 WIRE	28	23
200	260		2 POLE, 3 WIRE	28	30
			3 POLE, 4 WIRE	28	31
			5 POLE 6 WIRE (3 POLE 4 WIRE and 2 relay contacts)	28	42



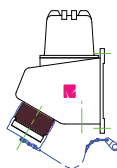
CONNECTIVITY

EXPLOSIONPROOF STARLINE

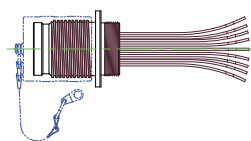
CODE LOGIC • AF & SF RECEPTACLES



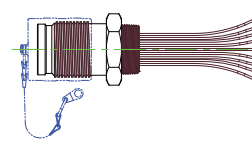
Receptacle, Junction Box



Receptacle, Junction Box



Receptacle, Panel Mount



Receptacle, NPT Panel Mount

INSERT TABLE				
CONTACT QUANTITY	PIN SIZE AWG (MM ²)	SHELL SIZE	INSERT CODE	KEY POSITIONS (N = NORMAL POSITION)
10	#12 (4.0)	16	681	N + 4
10	#12 / G (4.0)	16	676	N + 1
19	#12 / G (4.0)	16	612	N + 4
19	#12 (4.0)	16	677	N + 1
19	#12 (4.0)	20	676	N + 5
19	#12 / G (4.0)	20	688	N
19	#16 (1.5)	16	655	N + 9
20	#12 (4.0)	20	632	N + 3
20	#12 / G (4.0)	20	687	N + 1
37	#12 (4.0)	20	686	N
37	#12 / G (4.0)	20	650	N + 3
37	#16 (1.5)	16	621	N + 9
55	#18 (.75)	16	640	N + 10
61	#18 (.75)	16	633	N + 4
68	#16 (1.5)	20	613	N + 4
100	#16 (1.5)	24	613	N + 4

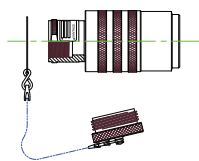
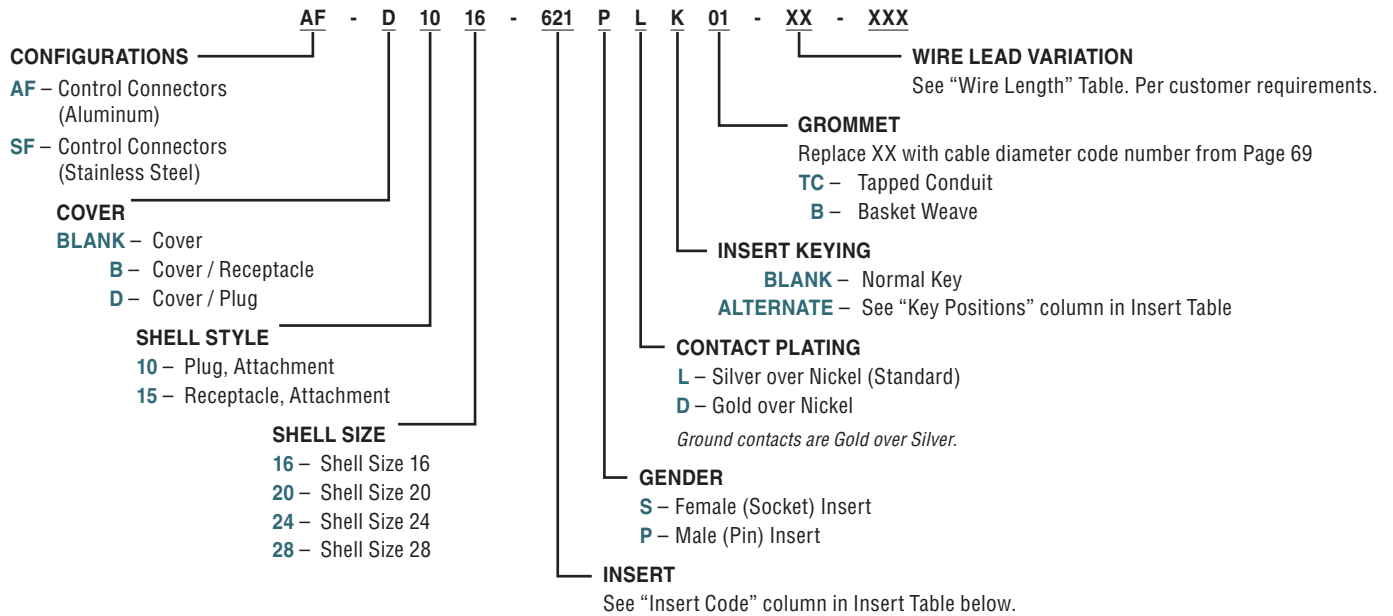
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JUNCTION BOX		
SHELL SIZE	CONDUIT HUB LOCATION	CONDUIT HUB SIZE (INCHES)
16 & 20	'F' TOP & BOTTOM	'H' 1½ - 11½ NPT
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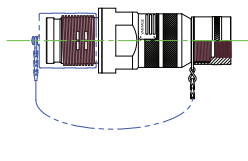
EXPLOSIONPROOF STARLINE



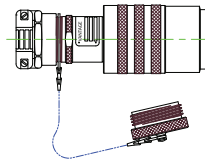
CODE LOGIC • AF & SF ATTACHMENT CONNECTORS



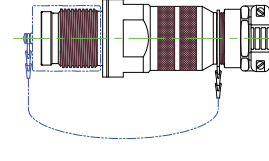
Plug, Tapped Conduit



Receptacle, Tapped Conduit



Plug, Attachment



Receptacle, Attachment

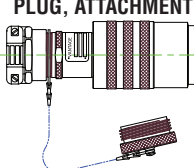
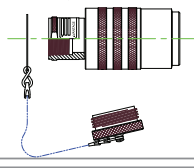
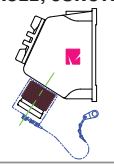
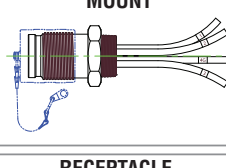
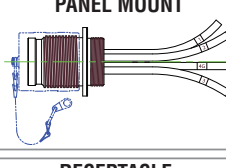
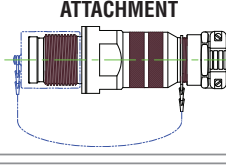
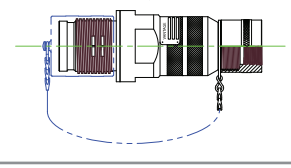
INSERT TABLE				
CONTACT QUANTITY	PIN SIZE AWG (MM ²)	SHELL SIZE	INSERT CODE	KEY POSITIONS (N = NORMAL POSITION)
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19	#16 (1.5)	16	655	N + 9
20	#12 (4.0)	20	632	N + 3
20	#12 / G (4.0)	20	687	N + 1
37	#12 (4.0)	20	686	N
37	#12 / G (4.0)	20	650	N + 3
37	#16 (1.5)	16	621	N + 9
55	#18 (.75)	16	640	N + 10
61	#18 (.75)	16	633	N + 4
68	#16 (1.5)	20	613	N + 4
100	#16 (1.5)	24	613	N + 4



CONNECTIVITY

EXPLOSIONPROOF STARLINE

GD PART NUMBERS

	AMPERES		2 POLE, 3 WIRE	3 POLE, 4 WIRE	3 POLE, 4 WIRE + 2 RELAY	4 POLE, 5 WIRE
	UL	Ex				
PLUG, ATTACHMENT 	30 / 32		GD-D1016-51PL-XX	GD-D1016-23PL-XX	—	GD-D1020-36PL-XX
	60 / 63		GD-D1020-61PL-XX	GD-D1020-40PL-XX	GD-D1020-56PL-XX	GD-D1024-29PL-XX
	100 / 125		GD-D1024-60PL-XX	GD-D1024-39PL-XX	GD-D1024-32PL-XX	GD-D1028-23PL-XX
	200 / 260		GDU-D1028-30PL-XX	GDU-D1028-31PL-XX	GDT-D1028-42PL-XX	—
PLUG, TAPPED NPT 	30 / 32		GD-D1016-51PL-TC	GD-D1016-23PL-TC	—	GD-D1020-36PL-TC
	60 / 63		GD-D1020-61PL-TC	GD-D1020-40PL-TC	GD-D1020-56PL-TC	GD-D1024-29PL-TC
	100 / 125		GD-D1024-60PL-TC	GD-D1024-39PL-TC	GD-D1024-32PL-TC	GD-D1028-23PL-TC
	200 / 260		GDU-D1028-30PL-TC	GDU-D1028-31PL-TC	GDT-D1028-42PL-TC	—
RECEPTACLE, JUNCTION BOX 	30 / 32		GD-B1716-51SL-FH	GD-B1716-23SL-FH	—	GD-B1720-36SL-FH
	60 / 63		GD-B1720-61SL-FH	GD-B1720-40SL-FH	GD-B1720-56SL-FH	GD-B1724-29SL-BK
	100 / 125		GD-B1724-60SL-BK	GD-B1724-39SL-BK	GD-B1724-32SL-BK	GD-B1728-23SL-BL
	200 / 260		GDU-B1728-30SL-BL	GDU-B1728-31SL-BL	GDT-B1728-42SL-BL	—
RECEPTACLE, NPT PANEL MOUNT 	30 / 32		GD-B1916-51SL-L48	GD-B1916-23SL-L48	—	GD-B1920-36SL-L48
	60 / 63		GD-B1920-61SL-L48	GD-B1920-40SL-L48	GD-B1920-56SL-L48	GD-B1924-29SL-L48
	100 / 125		GD-B1924-60SL-L48	GD-B1924-39SL-L48	GD-B1924-32SL-L48	GD-B1928-23SL-L48
	200 / 260		GDU-B1928-30SL-L48	GDU-B1928-31SL-L48	GDT-B1928-42SL-L48	—
RECEPTACLE, PANEL MOUNT 	30 / 32		GD-B1716-51SL-L36	GD-B1716-23SL-L36	—	GD-B1720-36SL-L36
	60 / 63		GD-B1720-61SL-L36	GD-B1720-40SL-L36	GD-B1720-56SL-L36	GD-B1724-29SL-L36
	100 / 125		GD-B1724-60SL-L36	GD-B1724-39SL-L36	GD-B1724-32SL-L36	GD-B1728-23SL-L36
	200 / 260		GDU-B1728-30SL-L36	GDU-B1728-31SL-L36	GDT-B1728-42SL-L36	—
RECEPTACLE, ATTACHMENT 	30 / 32		GD-B1516-51SL-XX	GD-B1516-23SL-XX	—	GD-B1520-36SL-XX
	60 / 63		GD-B1520-61SL-XX	GD-B1520-40SL-XX	GD-B1520-56SL-XX	GD-B1524-29SL-XX
	100 / 125		GD-B1524-60SL-XX	GD-B1524-39SL-XX	GD-B1524-32SL-XX	GD-B1528-23SL-XX
	200 / 260		GDU-B1528-30SL-XX	GDU-B1528-31SL-XX	GDT-B1528-42SL-XX	—
RECEPTACLE, TAPPED NPT 	30 / 32		GD-B1516-51SL-TC	GD-B1516-23SL-TC	—	GD-B1520-36SL-TC
	60 / 63		GD-B1520-61SL-TC	GD-B1520-40SL-TC	GD-B1520-56SL-TC	GD-B1524-29SL-TC
	100 / 125		GD-B1524-60SL-TC	GD-B1524-39SL-TC	GD-B1524-32SL-TC	GD-B1528-23SL-TC
	200 / 260		GDU-B1528-30SL-TC	GDU-B1528-31SL-TC	GDT-B1528-42SL-TC	—

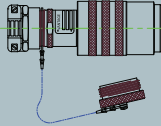
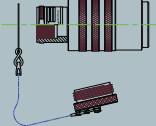
Replace 'XX' with cable diameter code number from XP Starline Environmental Sealing chart

Pre-wired lead length can be specified to suit application. Consult factory

EXPLOSIONPROOF STARLINE



AF PART NUMBERS

PIN QUANTITY	PIN SIZE AWG (MM2) 'G' = WITH GROUND PIN	AMPS @ 250 VAC ¹		PLUG, ATTACHMENT 	PLUG, TAPPED CONDUIT 	RECEPTACLE, JUNCTION BOX 
						
10	#12 (4.0)	10.0	20	AF-D1016-681PL-XX	AF-D1016-681PL-TC	AF-B1716-681SL-FH
10	#12 G (4.0)	10.0	20	AF-D1016-676PL-XX	AF-D1016-676PL-TC	AF-B1716-676SL-FH
19	#12 G (4.0)	10.0	20	AF-D1016-612PL-XX	AF-D1016-612PL-TC	AF-B1716-612SL-FH
19	#12 (4.0)	10.0	20	AF-D1016-677PL-XX	AF-D1016-677PL-TC	AF-B1716-677SL-FH
19	#12 (4.0)	10.0 ¹	20	AF-D1020-676PL-XX	AF-D1020-676PL-TC	AF-B1720-676SL-FH
19	#12 G (4.0)	10.0 ¹	20	AF-D1020-688PL-XX	AF-D1020-688PL-TC	AF-B1720-688SL-FH
19	#16 (1.5)	6.5	15	AF-D1016-655PL-XX	AF-D1016-655PL-TC	AF-B1716-655SL-FH
20	#12 (4.0)	10.0	20	AF-D1020-632PL-XX	AF-D1020-632PL-TC	AF-B1720-632SL-FH
20	#12 G (4.0)	10.0	20	AF-D1020-687PL-XX	AF-D1020-687PL-TC	AF-B1720-687SL-FH
37	#12 (4.0)	10.0	20	AF-D1020-686PL-XX	AF-D1020-686PL-TC	AF-B1720-686SL-FH
37	#12 G (4.0)	10.0	20	AF-D1020-650PL-XX	AF-D1020-650PL-TC	AF-B1720-650SL-FH
37	#16 (1.5)	6.5	15	AF-D1016-621PL-XX	AF-D1016-621PL-TC	AF-B1716-621SL-FH
55	#18 (.75)	3.5	10	AF-D1016-640PL-XX	AF-D1016-640PL-TC	AF-B1716-640SL-FH
61	#18 (.75)	3.5	10	AF-D1016-633PL-XX	AF-D1016-633PL-TC	AF-B1716-633SL-FH
68	#16 (1.5)	6.5	15	AF-D1020-613PL-XX	AF-D1020-613PL-TC	AF-B1720-613SL-FH
100	#16 (1.5)	5.0	15	AF-D1024-613PL-XX	AF-D1024-613PL-TC	AF-B1724-613SL-BK

Replace 'XX' with cable diameter code number from XP Starline Environmental Sealing chart

Pre-wired lead length can be specified to suit application. Consult factory

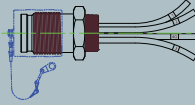
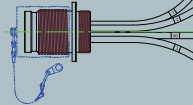
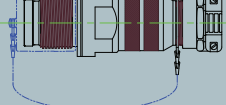
¹' = Insert is also rated 480 VAC non-circuit breaking.



CONNECTIVITY

EXPLOSIONPROOF STARLINE

AF PART NUMBERS

PIN QUANTITY	PIN SIZE AWG (MM ²) 'G' = WITH GROUND PIN	AMPS @ 250 VAC ¹		RECEPTACLE, NPT	RECEPTACLE, PANEL MOUNT	RECEPTACLE, ATTACHMENT
						
10	#12 (4.0)	10.0	20	AF-B1916-681SL-L48	AF-B1716-681SL-L36	AF-B1516-681SL-XX
10	#12 G (4.0)	10.0	20	AF-B1916-676SL-L48	AF-B1716-676SL-L36	AF-B1516-676SL-XX
19	#12 G (4.0)	10.0	20	AF-B1916-612SL-L48	AF-B1716-612SL-L36	AF-B1516-612SL-XX
19	#12 (4.0)	10.0	20	AF-B1916-677SL-L48	AF-B1716-677SL-L36	AF-B1516-677SL-XX
19	#12 (4.0)	10.0 ¹	20	AF-B1920-676SL-L48	AF-B1720-676SL-L36	AF-B1520-676SL-XX
19	#12 G (4.0)	10.0 ¹	20	AF-B1920-688SL-L48	AF-B1720-688SL-L36	AF-B1520-688SL-XX
19	#16 (1.5)	6.5	15	AF-B1916-655SL-L48	AF-B1716-655SL-L36	AF-B1516-655SL-XX
20	#12 (4.0)	10.0	20	AF-B1920-632SL-L48	AF-B1720-632SL-L36	AF-B1520-632SL-XX
20	#12 G (4.0)	10.0	20	AF-B1920-687SL-L48	AF-B1720-687SL-L36	AF-B1520-687SL-XX
37	#12 (4.0)	10.0	20	AF-B1920-686SL-L48	AF-B1720-686SL-L36	AF-B1520-686SL-XX
37	#12 G (4.0)	10.0	20	AF-B1920-650SL-L48	AF-B1720-650SL-L36	AF-B1520-650SL-XX
37	#16 (1.5)	6.5	15	AF-B1916-621SL-L48	AF-B1716-621SL-L36	AF-B1516-621SL-XX
55	#18 (.75)	3.5	10	AF-B1916-640SL-L48	AF-B1716-640SL-L36	AF-B1516-640SL-XX
61	#18 (.75)	3.5	10	AF-B1916-633SL-L48	AF-B1716-633SL-L36	AF-B1516-633SL-XX
68	#16 (1.5)	6.5	15	AF-B1920-613SL-L48	AF-B1720-613SL-L36	AF-B1520-613SL-XX
100	#16 (1.5)	5.0	15	AF-B1924-613SL-L48	AF-B1724-613SL-L36	AF-B1524-613SL-XX

Replace 'XX' with cable diameter code number from XP Starline Environmental Sealing chart

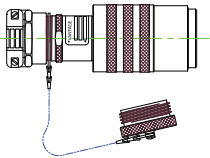
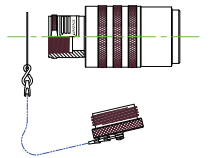
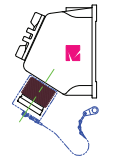
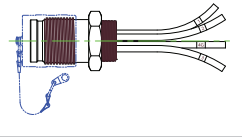
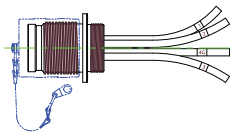
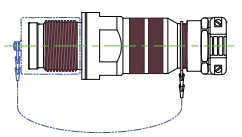
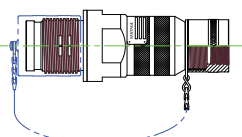
Pre-wired lead length can be specified to suit application. Consult factory

¹ = Insert is also rated 480 VAC non-circuit breaking.

EXPLOSIONPROOF STARLINE



SD PART NUMBERS

	AMPERES		2 POLE, 3 WIRE	3 POLE, 4 WIRE	3 POLE, 4 WIRE + 2 RELAY	4 POLE, 5 WIRE
	UL	Ex				
PLUG, ATTACHMENT 	30 / 32		SD-D1016-51PL-XX	SD-D1016-23PL-XX	—	SD-D1020-36PL-XX
	60 / 63		SD-D1020-61PL-XX	SD-D1020-40PL-XX	SD-D1020-56PL-XX	SD-D1024-29PL-XX
	100 / 125		SD-D1024-60PL-XX	SD-D1024-39PL-XX	SD-D1024-32PL-XX	SD-D1028-23PL-XX
	200 / 260		SDU-D1028-30PL-XX	SDU-D1028-31PL-XX	SDT-D1028-42PL-XX	—
PLUG, TAPPED NPT 	30 / 32		SD-D1016-51PL-TC	SD-D1016-23PL-TC	—	SD-D1020-36PL-TC
	60 / 63		SD-D1020-61PL-TC	SD-D1020-40PL-TC	SD-D1020-56PL-TC	SD-D1024-29PL-TC
	100 / 125		SD-D1024-60PL-TC	SD-D1024-39PL-TC	SD-D1024-32PL-TC	SD-D1028-23PL-TC
	200 / 260		SDU-D1028-30PL-TC	SDU-D1028-31PL-TC	SDT-D1028-42PL-TC	—
RECEPTACLE, JUNCTION BOX 	30 / 32		SD-B1716-51SL-FH	SD-B1716-23SL-FH	—	SD-B1720-36SL-FH
	60 / 63		SD-B1720-61SL-FH	SD-B1720-40SL-FH	SD-B1720-56SL-FH	SD-B1724-29SL-BK
	100 / 125		SD-B1724-60SL-BK	SD-B1724-39SL-BK	SD-B1724-32SL-BK	SD-B1728-23SL-BL
	200 / 260		SDU-B1728-30SL-BL	SDU-B1728-31SL-BL	SDT-B1728-42SL-BL	—
RECEPTACLE, NPT PANEL MOUNT 	30 / 32		SD-B1916-51SL-L48	SD-B1916-23SL-L48	—	SD-B1920-36SL-L48
	60 / 63		SD-B1920-61SL-L48	SD-B1920-40SL-L48	SD-B1920-56SL-L48	SD-B1924-29SL-L48
	100 / 125		SD-B1924-60SL-L48	SD-B1924-39SL-L48	SD-B1924-32SL-L48	SD-B1928-23SL-L48
	200 / 260		SDU-B1928-30SL-L48	SDU-B1928-31SL-L48	SDT-B1928-42SL-L48	—
RECEPTACLE, PANEL MOUNT 	30 / 32		SD-B1716-51SL-L36	SD-B1716-23SL-L36	—	SD-B1720-36SL-L36
	60 / 63		SD-B1720-61SL-L36	SD-B1720-40SL-L36	SD-B1720-56SL-L36	SD-B1724-29SL-L36
	100 / 125		SD-B1724-60SL-L36	SD-B1724-39SL-L36	SD-B1724-32SL-L36	SD-B1728-23SL-L36
	200 / 260		SDU-B1728-30SL-L36	SDU-B1728-31SL-L36	SDT-B1728-42SL-L36	—
RECEPTACLE, ATTACHMENT 	30 / 32		SD-B1516-51SL-XX	SD-B1516-23SL-XX	—	SD-B1520-36SL-XX
	60 / 63		SD-B1520-61SL-XX	SD-B1520-40SL-XX	SD-B1520-56SL-XX	SD-B1524-29SL-XX
	100 / 125		SD-B1524-60SL-XX	SD-B1524-39SL-XX	SD-B1524-32SL-XX	SD-B1528-23SL-XX
	200 / 260		SDU-B1528-30SL-XX	SDU-B1528-31SL-XX	SDT-B1528-42SL-XX	—
RECEPTACLE, TAPPED NPT 	30 / 32		SD-B1516-51SL-TC	SD-B1516-23SL-TC	—	SD-B1520-36SL-TC
	60 / 63		SD-B1520-61SL-TC	SD-B1520-40SL-TC	SD-B1520-56SL-TC	SD-B1524-29SL-TC
	100 / 125		SD-B1524-60SL-TC	SD-B1524-39SL-TC	SD-B1524-32SL-TC	SD-B1528-23SL-TC
	200 / 260		SDU-B1528-30SL-TC	SDU-B1528-31SL-TC	SDT-B1528-42SL-TC	—

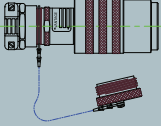
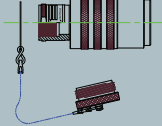
Replace 'XX' with cable diameter code number from XP Starline Environmental Sealing chart
Pre-wired lead length can be specified to suit application. Consult factory



CONNECTIVITY

EXPLOSIONPROOF STARLINE

SF PART NUMBERS

PIN QUANTITY	PIN SIZE AWG (MM ²) 'G' = WITH GROUND PIN	AMPS @ 250 VAC ¹		PLUG, ATTACHMENT 	PLUG, TAPPED CONDUIT 	RECEPTACLE, JUNCTION BOX 
						
10	#12 (4.0)	10.0	20	SF-D1016-681PL-XX	SF-D1016-681PL-TC	SF-B1716-681SL-FH
10	#12 G (4.0)	10.0	20	SF-D1016-676PL-XX	SF-D1016-676PL-TC	SF-B1716-676SL- FH
19	#12 G (4.0)	10.0	20	SF-D1016-612PL-XX	SF-D1016-612PL-TC	SF-B1716-612SL- FH
19	#12 (4.0)	10.0	20	SF-D1016-677PL-XX	SF-D1016-677PL-TC	SF-B1716-677SL- FH
19	#12 (4.0)	10.0 ¹	20	SF-D1020-676PL-XX	SF-D1020-676PL-TC	SF-B1720-676SL- FH
19	#12 G (4.0)	10.0 ¹	20	SF-D1020-688PL-XX	SF-D1020-688PL-TC	SF-B1720-688SL- FH
19	#16 (1.5)	6.5	15	SF-D1016-655PL-XX	SF-D1016-655PL-TC	SF-B1716-655SL- FH
20	#12 (4.0)	10.0	20	SF-D1020-632PL-XX	SF-D1020-632PL-TC	SF-B1720-632SL- FH
20	#12 G (4.0)	10.0	20	SF-D1020-687PL-XX	SF-D1020-687PL-TC	SF-B1720-687SL- FH
37	#12 (4.0)	10.0	20	SF-D1020-686PL-XX	SF-D1020-686PL-TC	SF-B1720-686SL- FH
37	#12 G (4.0)	10.0	20	SF-D1020-650PL-XX	SF-D1020-650PL-TC	SF-B1720-650SL- FH
37	#16 (1.5)	6.5	15	SF-D1016-621PL-XX	SF-D1016-621PL-TC	SF-B1716-621SL- FH
55	#18 (.75)	3.5	10	SF-D1016-640PL-XX	SF-D1016-640PL-TC	SF-B1716-640SL- FH
61	#18 (.75)	3.5	10	SF-D1016-633PL-XX	SF-D1016-633PL-TC	SF-B1716-633SL- FH
68	#16 (1.5)	6.5	15	SF-D1020-613PL-XX	SF-D1020-613PL-TC	SF-B1720-613SL- FH
100	#16 (1.5)	5.0	15	SF-D1024-613PL-XX	SF-D1024-613PL-TC	SF-B1724-613SL-BK

Replace 'XX' with cable diameter code number from XP Starline Environmental Sealing chart

Pre-wired lead length can be specified to suit application. Consult factory

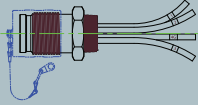
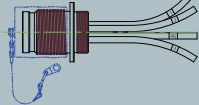
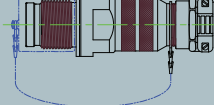
¹ = Insert is also rated 480 VAC non-circuit breaking.

EXPLOSIONPROOF STARLINE

CONNECTIVITY



SF PART NUMBERS CONTINUED

PIN QUANTITY	PIN SIZE AWG (MM ²) 'G' = WITH GROUND PIN	AMPS @ 250 VAC ¹		RECEPTACLE, NPT	RECEPTACLE, PANEL MOUNT	RECEPTACLE, ATTACHMENT
						
10	#12 (4.0)	10.0	20	SF-B1916-681SL-L48	SF-B1716-681SL-L36	SF-B1516-681SL-XX
10	#12 G (4.0)	10.0	20	SF-B1916-676SL-L48	SF-B1716-676SL-L36	SF-B1516-676SL-XX
19	#12 G (4.0)	10.0	20	SF-B1916-612SL-L48	SF-B1716-612SL-L36	SF-B1516-612SL-XX
19	#12 (4.0)	10.0	20	SF-B1916-677SL-L48	SF-B1716-677SL-L36	SF-B1516-677SL-XX
19	#12 (4.0)	10.0 ¹	20	SF-B1920-676SL-L48	SF-B1720-676SL-L36	SF-B1520-676SL-XX
19	#12 G (4.0)	10.0 ¹	20	SF-B1920-688SL-L48	SF-B1720-688SL-L36	SF-B1520-688SL-XX
19	#16 (1.5)	6.5	15	SF-B1916-655SL-L48	SF-B1716-655SL-L36	SF-B1516-655SL-XX
20	#12 (4.0)	10.0	20	SF-B1920-632SL-L48	SF-B1720-632SL-L36	SF-B1520-632SL-XX
20	#12 G (4.0)	10.0	20	SF-B1920-687SL-L48	SF-B1720-687SL-L36	SF-B1520-687SL-XX
37	#12 (4.0)	10.0	20	SF-B1920-686SL-L48	SF-B1720-686SL-L36	SF-B1520-686SL-XX
37	#12 G (4.0)	10.0	20	SF-B1920-650SL-L48	SF-B1720-650SL-L36	SF-B1520-650SL-XX
37	#16 (1.5)	6.5	15	SF-B1916-621SL-L48	SF-B1716-621SL-L36	SF-B1516-621SL-XX
55	#18 (.75)	3.5	10	SF-B1916-640SL-L48	SF-B1716-640SL-L36	SF-B1516-640SL-XX
61	#18 (.75)	3.5	10	SF-B1916-633SL-L48	SF-B1716-633SL-L36	SF-B1516-633SL-XX
68	#16 (1.5)	6.5	15	SF-B1920-613SL-L48	SF-B1720-613SL-L36	SF-B1520-613SL-XX
100	#16 (1.5)	5.0	15	SF-B1924-613SL-L48	SF-B1724-613SL-L36	SF-B1524-613SL-XX

Replace 'XX' with cable diameter code number from XP Starline Environmental Sealing chart

Pre-wired lead length can be specified to suit application. Consult factory

¹' = Insert is also rated 480 VAC non-circuit breaking.

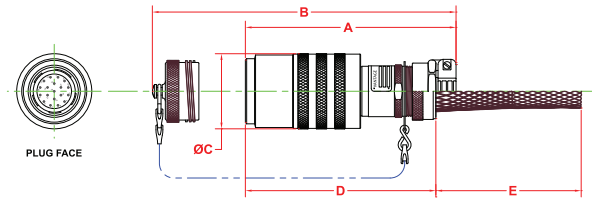


XP STARLINE DIMENSIONS

ATTACHMENT PLUG

	SHELL SIZE	A INCHES ±0.3 (MM ±8)	B INCHES ±0.3 (MM ±8)	C INCHES (MM)	D INCHES ±0.3 (MM ±8)	E INCHES (MM)	WEIGHT ¹ LBS (KG)
AF/SF GD/SD BM Stainless Steel Weight Factor 2.0	16	9.3 (236)	10.3 (262)	2.977 (75.6)	8.4 (213)	3.75 - 10.25 (95 - 260)	4.0 (1.8)
	20	10.0 (254)	11.0 (279)	3.577 (90.9)	9.0 (229)	5.75 - 14.25 (146 - 362)	5.2 (2.4)
	24	10.4 (264)	11.4 (290)	4.182 (106.2)	9.4 (239)	8.25 - 17.25 (210 - 438)	7.2 (3.3)
	28	10.9 (277)	11.9 (302)	4.814 (122.3)	9.8 (249)	13.75 - 19.75 (349 - 502)	9.1 (4.1)
GB/SB GDU/SDU Stainless Steel Weight Factor 2.0	16	10.3 (262)	11.3 (287)	2.977 (75.6)	9.4 (238)	3.75 - 10.25 (95 - 260)	3.9 (1.8)
	20	11.0 (279)	12.0 (305)	3.577 (90.9)	10.0 (254)	5.75 - 14.25 (146 - 362)	6.0 (2.7)
	24	11.4 (290)	12.4 (315)	4.182 (106.2)	10.4 (264)	8.25 - 17.25 (210 - 438)	8.4 (3.8)
	28	11.9 (302)	12.9 (328)	4.814 (122.3)	10.8 (274)	13.75 - 19.75 (349 - 502)	12.1 (5.5)

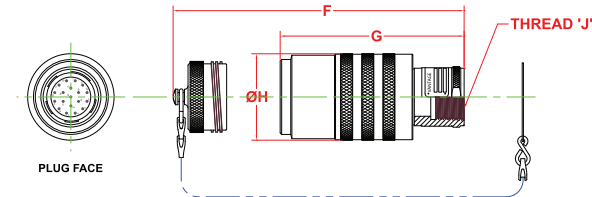
1. Weights provided for Victory Series (aluminum) with mechanical clamp configuration. Multiply by "Stainless Steel Weight Factor" to determine weight for Millennium Series (stainless steel).



NPT TAPPED PLUG

	SHELL SIZE	F INCHES (MM)	G INCHES (MM)	H INCHES (MM)	NPT THREAD 'J'	WEIGHT ¹ LBS (KG)	WEIGHT ¹ LBS (KG)
AF/SF GD/SD BM Stainless Steel Weight Factor 2.4	16	7.9 (200)	6.9 (175)	2.977 (75.6)	1 ¼ - 11 ½	2.9 (1.3)	4.0 (1.8)
	20	8.2 (208)	7.2 (183)	3.577 (90.9)	1 ½ - 11 ½	4.0 (1.8)	5.2 (2.4)
	24	8.4 (213)	7.4 (188)	4.182 (106.2)	2 - 11 ½	5.4 (2.5)	7.2 (3.3)
	28	8.8 (224)	7.8 (198)	4.814 (122.3)	2 ½ - 8	7.2 (3.3)	9.1 (4.1)
GB/SB GDU/SDU Stainless Steel Weight Factor 2.4	16	8.9 (226)	7.9 (201)	2.977 (75.6)	1 ¼ - 11 ½	3.4 (1.5)	3.9 (1.8)
	20	9.2 (234)	8.2 (208)	3.577 (90.9)	1 ½ - 11 ½	5.0 (2.3)	6.0 (2.7)
	24	9.4 (239)	8.4 (213)	4.182 (106.2)	2 - 11 ½	7.4 (3.4)	8.4 (3.8)
	28	9.8 (249)	8.8 (224)	4.814 (122.3)	2 ½ - 8	9.5 (4.3)	12.1 (5.5)

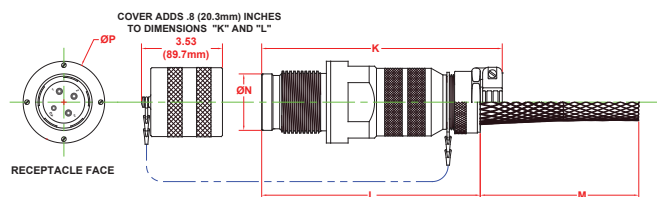
1. Weights provided for Victory Series (aluminum). Multiply by "Stainless Steel Weight Factor" to determine weight for Millennium Series (stainless steel).



ATTACHMENT RECEPTACLE

	SHELL SIZE	K INCHES ±0.3 (MM ±8)	L INCHES ±0.3 (MM ±8)	M INCHES (MM)	N INCHES (MM)	P INCHES (MM)	WEIGHT ¹ LBS (KG)
AF/SF GD/SD BM Stainless Steel Weight Factor 2.0	16	10.0 (254)	9.1 (231)	3.75 - 10.25 (95 - 260)	1.969 (50.1)	3.063 (77.8)	3.4 (1.5)
	20	10.7 (272)	9.7 (246)	5.75 - 14.25 (146 - 362)	2.469 (62.7)	3.563 (90.5)	4.7 (2.1)
	24	11.1 (282)	10.1 (257)	8.25 - 17.25 (210 - 438)	2.969 (75.4)	4.188 (106.4)	6.4 (2.9)
	28	11.4 (290)	10.3 (262)	13.75 - 19.75 (349 - 502)	3.469 (88.1)	4.688 (119.1)	8.1 (3.7)
GB/SB GDU/SDU Stainless Steel Weight Factor 2.0	16	11.0 (279)	10.1 (257)	3.75 - 10.25 (95 - 260)	1.969 (50.1)	3.063 (77.8)	3.6 (1.6)
	20	11.7 (297)	10.7 (272)	5.75 - 14.25 (146 - 362)	2.469 (62.7)	3.563 (90.5)	4.9 (2.2)
	24	12.1 (307)	11.1 (282)	8.25 - 17.25 (210 - 438)	2.969 (75.4)	4.188 (106.4)	6.7 (3.0)
	28	12.4 (315)	11.3 (287)	13.75 - 19.75 (349 - 502)	3.469 (88.1)	4.688 (119.1)	8.6 (3.9)

1. Weights provided for Victory Series (aluminum) with mechanical clamp configuration. Multiply by "Stainless Steel Weight Factor" to determine weight for Millennium Series (stainless steel).





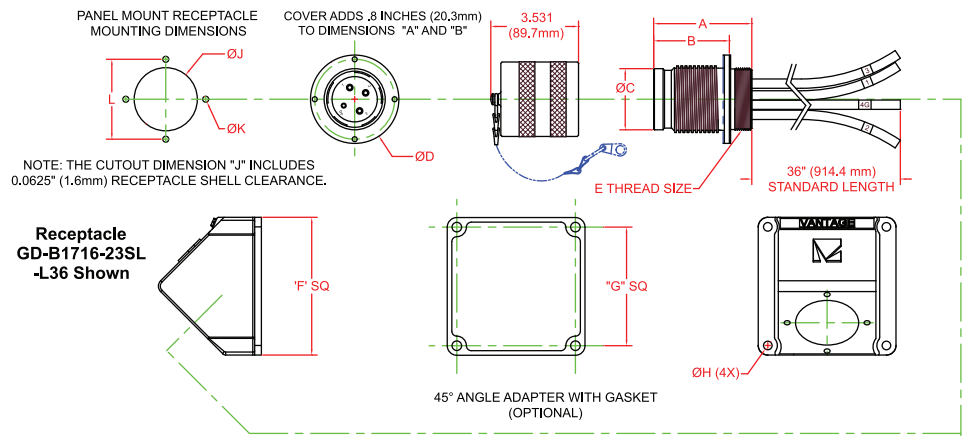
XP STARLINE DIMENSIONS

PANEL MOUNT RECEPTACLE

MOUNTING DIMENSIONS						
SHELL SIZE	F INCHES (MM)	G INCHES (MM)	H INCHES (MM)	J INCHES (MM)	K INCHES (MM)	L INCHES (MM)
16	4.5 (114.3)	3.875 (98.4)	0.284 (7.2)	2.063 (52.4)	0.195 (5.0)	2.610 (66.3)
20	4.5 (114.3)	3.875 (98.4)	0.284 (7.2)	2.563 (65.1)	0.195 (5.0)	3.110 (79.0)
24	8 (203.2)	7 (177.8)	0.534 (13.6)	3.063 (77.8)	0.195 (5.0)	3.735 (94.9)
28	8 (203.2)	7 (177.8)	0.534 (13.6)	3.563 (90.5)	0.195 (5.0)	4.235 (107.6)

	SHELL SIZE	A INCHES ¹ (MM)	B INCHES ¹ (MM)	C INCHES (MM)	D INCHES (MM)	THREAD 'E' G-16UN	WEIGHT ² LBS (KG)
AF/SF GD/SD BM Stainless Steel Weight Factor 2.0	16	4.063 (103.2)	3.063 (77.8)	1.969 (50.0)	3.063 (77.8)	2	3 (1.4)
	20	4.063 (103.2)	3.063 (77.8)	2.469 (62.7)	3.563 (90.5)	2 ½	4 (1.8)
	24	4.063 (103.2)	3.063 (77.8)	2.969 (75.4)	4.188 (106.4)	3 1/8	8 (3.6)
	28	4.063 (103.2)	3.063 (77.8)	3.469 (88.1)	4.688 (119.1)	3 5/8	13 (5.9)
GB/SB GDU/SDU Stainless Steel Weight Factor 2.0	16	5.063 (128.6)	4.063 (103.2)	1.969 (50.0)	3.063 (77.8)	2	3 (1.4)
	20	5.063 (128.6)	4.063 (103.2)	2.469 (62.7)	3.563 (90.5)	2 ½	5 (2.3)
	24	5.063 (128.6)	4.063 (103.2)	2.969 (75.4)	4.188 (106.4)	3 1/8	8 (3.6)
	28	5.063 (128.6)	4.063 (103.2)	3.469 (88.1)	4.688 (119.1)	3 5/8	14 (6.4)

1. Subtract 0.5 inches (12.7mm) from dimensions A and B for AF/SF style.
2. Weights provided for Victory Series (aluminum). Multiply by "Stainless Steel Weight Factor" to determine weight for Millennium Series (stainless steel).



ANGLE ADAPTER WITH GASKET	
CATALOG NUMBER	SHELL SIZE
VT-AF10-2516-12A	16
VT-AF10-2520-12A	20
VT-AF10-2524-12A	24
VT-AF10-2528-12A	28



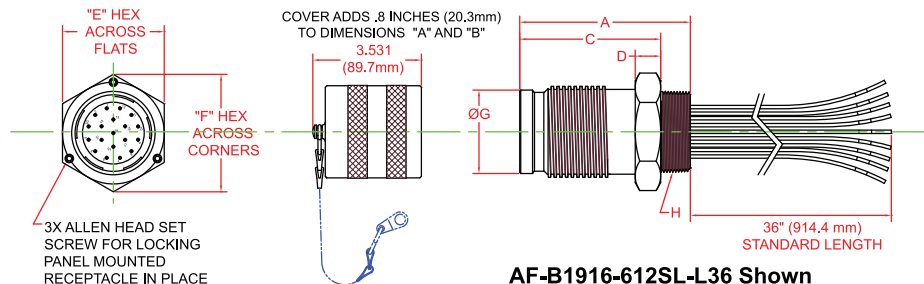
XP STARLINE DIMENSIONS

NPT MOUNT RECEPTACLE

MOUNTING DIMENSIONS						
SHELL SIZE	F INCHES (MM)	G INCHES (MM)	H INCHES (MM)	J INCHES (MM)	K INCHES (MM)	L INCHES (MM)
16	4.5 (114.3)	3.875 (98.4)	0.284 (7.2)	2.063 (52.4)	0.195 (5.0)	2.610 (66.3)
20	4.5 (114.3)	3.875 (98.4)	0.284 (7.2)	2.563 (65.1)	0.195 (5.0)	3.110 (79.0)
24	8 (203.2)	7 (177.8)	0.534 (13.6)	3.063 (77.8)	0.195 (5.0)	3.735 (94.9)
28	8 (203.2)	7 (177.8)	0.534 (13.6)	3.563 (90.5)	0.195 (5.0)	4.235 (107.6)

	SHELL SIZE	M INCHES (MM)	N INCHES (MM)	P INCHES' (MM)	Q INCHES' (MM)	NPT THREAD 'R'	S INCHES (MM)	WEIGHT LBS ² (KG)
AF/SF GD/SD BM Stainless Steel Weight Factor 2.0	16	2.5 (63.5)	2.875 (73.0)	4.5 (114.3)	3.656 (92.9)	1 ½ - 11 ½	1.969 (50.0)	3 (1.4)
	20	3 (76.2)	3.469 (88.1)	4.531 (115.1)	3.656 (92.9)	2 - 11 ½	2.469 (62.7)	5 (2.3)
	24	3.5 (88.9)	4.031 (102.4)	4.906 (124.6)	3.656 (92.9)	2 ½ - 8	2.969 (75.4)	8 (3.6)
	28	4 (101.6)	4.625 (117.5)	4.969 (126.2)	3.656 (92.9)	3 - 8	3.469 (88.1)	13 (5.9)
GB/SB GDU/SDU Stainless Steel Weight Factor 2.0	16	2.5 (63.5)	2.875 (73.0)	5 (127.0)	4.156 (105.6)	1 ½ - 11 ½	1.969 (50.0)	3 (1.4)
	20	3 (76.2)	3.469 (88.1)	5.031 (127.8)	4.156 (105.6)	2 - 11 ½	2.469 (62.7)	5 (2.3)
	24	3.5 (88.9)	4.031 (102.4)	5.406 (137.3)	4.156 (105.6)	2 ½ - 8	2.969 (75.4)	9 (4.1)
	28	4 (101.6)	4.625 (117.5)	5.469 (138.9)	4.156 (105.6)	3 - 8	3.469 (88.1)	14 (6.4)

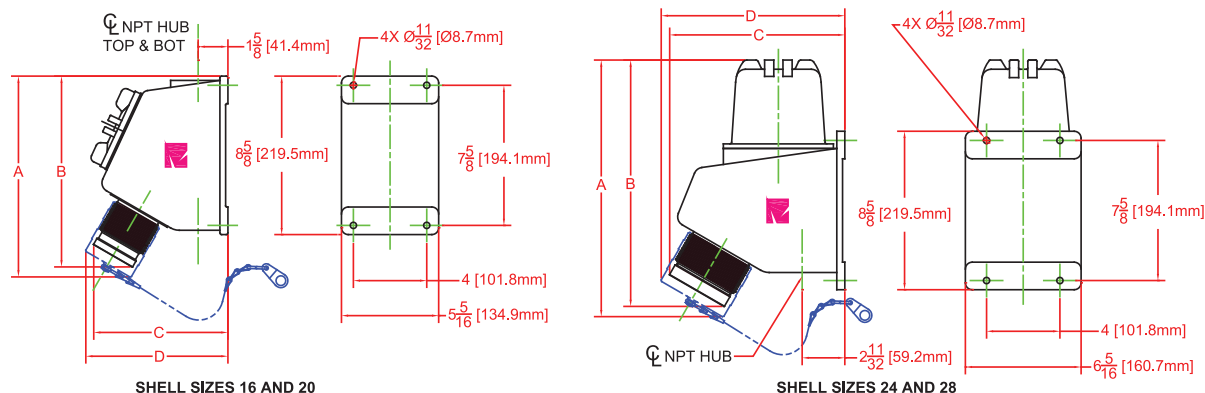
1. Subtract 0.5 inches (12.7mm) from dimensions P and Q for AF/SF style.
2. Weights provided for Victory Series (aluminum). Multiply by "Stainless Steel Weight Factor" to determine weight for Millennium Series (stainless steel).



JUNCTION BOX RECEPTACLE

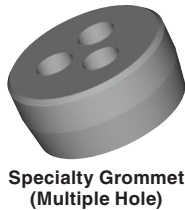
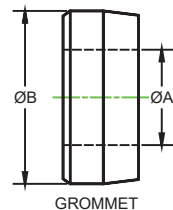
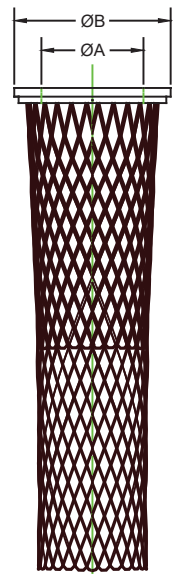
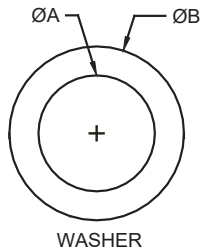
	SHELL SIZE	A INCHES (MM)	B INCHES (MM)	C INCHES (MM)	D INCHES (MM)	WEIGHT LBS ¹ (KG)
AF/SF GD/SD BM Stainless Steel Weight Factor 2.0	16	10.063 (255.6)	10.25 (260.4)	7.375 (187.3)	7.75 (196.9)	12.9 (5.9)
	20	10.063 (255.6)	10.25 (260.4)	7.375 (187.3)	7.75 (196.9)	13.7 (6.2)
	24	14.563 (370.0)	14 (355.6)	9.688 (246.1)	10.125 (257.2)	21.9 (9.9)
	28	14.563 (370.0)	14 (355.6)	9.688 (246.1)	10.125 (257.2)	22.8 (10.3)
GB/SB GDU/SDU Stainless Steel Weight Factor 2.0	16	11.563 (293.7)	11.125 (282.6)	7.875 (200.0)	8.25 (209.6)	13.0 (5.9)
	20	11.563 (293.7)	11.125 (282.6)	7.875 (200.0)	8.25 (209.6)	13.9 (6.3)
	24	15.438 (392.1)	14.875 (377.8)	10.188 (258.8)	10.625 (269.9)	22.5 (10.2)
	28	15.438 (392.1)	14.875 (377.8)	10.188 (258.8)	10.625 (269.9)	23.2 (10.5)

1. Weights provided for Victory Series (aluminum). Multiply by "Stainless Steel Weight Factor" to determine weight for Millennium Series (stainless steel).





XP STARLINE ENVIRONMENTAL SEALING



SHELL SIZE DIM B INCHES (MM)	CABLE DIAMETER DIMENSION A INCHES (MM)		CABLE DIAMETER CODE NUMBER*	GROMMET PART NUMBER	WASHER PART NUMBER	BASKET WEAVE GRIP PART NUMBER
	MIN.	MAX.				
16 1 23/32 (43.7)	.250 (6.35)	.375 (9.53)	06	VT-6316-6C	VT-8016-8E	VT-5016-6E
	.375 (9.53)	.500 (12.7)	08	VT-6316-8C		VT-5016-8E
	.500 (12.7)	.625 (15.9)	10	VT-6316-10C	VT-8016-12E	VT-5016-10E
	.625 (15.9)	.750 (19.1)	12	VT-6316-12C		VT-5016-12E
	.750 (19.1)	.875 (22.2)	14	VT-6316-14C	VT-8016-16E	VT-5016-14E
	.875 (22.2)	1.000 (25.4)	16	VT-6316-16C		VT-5016-16E
	1.000 (25.4)	1.125 (28.6)	18	VT-6316-18C	VT-8016-20E	VT-5016-18E
	1.125 (28.6)	1.250 (31.8)	20	VT-6316-20C		VT-5016-20E
	1.250 (31.8)	1.375 (34.9)	22	VT-6316-22C	VT-8016-23E	VT-5016-22E
	1.375 (34.9)	1.437 (36.5)	23	VT-6316-23C		VT-5016-23E
20 2 7/32 (56.4)	.500 (12.7)	.625 (15.9)	10	VT-6320-10C	VT-8020-12E	VT-5020-10E
	.625 (15.9)	.750 (19.1)	12	VT-6320-12C		VT-5020-12E
	.750 (19.1)	.875 (22.2)	14	VT-6320-14C	VT-8020-16E	VT-5020-14E
	.875 (22.2)	1.000 (25.4)	16	VT-6320-16C		VT-5020-16E
	1.000 (25.4)	1.125 (28.6)	18	VT-6320-18C	VT-8020-20E	VT-5020-18E
	1.125 (28.6)	1.250 (31.8)	20	VT-6320-20C		VT-5020-20E
	1.250 (31.8)	1.375 (34.9)	22	VT-6320-22C	VT-8020-24E	VT-5020-22E
	1.375 (34.9)	1.500 (38.1)	24	VT-6320-24C		VT-5020-24E
	1.500 (38.1)	1.625 (41.3)	26	VT-6320-26C	VT-8020-28E	VT-5020-26E
	1.625 (41.3)	1.750 (44.5)	28	VT-6320-28C		VT-5020-28E
24 2 23/32 (69.1)	1.750 (44.5)	1.875 (47.6)	30	VT-6320-30C	VT-8020-31E	VT-5020-30E
	1.875 (47.6)	1.937 (49.2)	31	VT-6320-31C		VT-5020-31E
	.875 (22.2)	1.000 (25.4)	16	VT-6324-16C	VT-8024-16E	VT-5024-16E
	1.000 (25.4)	1.125 (28.6)	18	VT-6324-18C		VT-5024-18E
	1.125 (28.6)	1.250 (31.8)	20	VT-6324-20C	VT-8024-20E	VT-5024-20E
	1.250 (31.8)	1.375 (34.9)	22	VT-6324-22C		VT-5024-22E
	1.375 (34.9)	1.500 (38.1)	24	VT-6324-24C	VT-8024-24E	VT-5024-24E
	1.500 (38.1)	1.625 (41.3)	26	VT-6324-26C		VT-5024-26E
	1.625 (41.3)	1.750 (44.5)	28	VT-6324-28C	VT-8024-28E	VT-5024-28E
	1.750 (44.5)	1.875 (47.6)	30	VT-6324-30C		VT-5024-30E
28 3 5/32 (80.2)	1.875 (47.6)	2.000 (50.8)	32	VT-6324-32C	VT-8024-32E	VT-5024-32E
	2.000 (50.8)	2.125 (54.0)	34	VT-6324-34C		VT-5024-34E
	2.125 (54.0)	2.250 (57.2)	36	VT-6324-36C	VT-8024-36E	VT-5024-36E
	2.250 (57.2)	2.375 (60.3)	38	VT-6324-38C		VT-5024-38E
	2.375 (60.3)	2.437 (61.9)	39	VT-6324-39C	VT-8024-39E	VT-5024-39E
	1.375 (34.9)	1.500 (38.1)	24	VT-6328-24C		VT-5028-24E
	1.500 (38.1)	1.625 (41.3)	26	VT-6328-26C	VT-8028-24E	VT-5028-24E
	1.625 (41.3)	1.750 (44.5)	28	VT-6328-28C		VT-5028-28E
	1.750 (44.5)	1.875 (47.6)	30	VT-6328-30C	VT-8028-32E	VT-5028-30E
	1.875 (47.6)	2.000 (50.8)	32	VT-6328-32C		VT-5028-32E
	2.000 (50.8)	2.125 (54.0)	34	VT-6328-34C	VT-8028-36E	VT-5028-34E
	2.125 (54.0)	2.250 (57.2)	36	VT-6328-36C		VT-5028-36E
	2.250 (57.2)	2.375 (60.3)	38	VT-6328-38C	VT-8028-40E	VT-5028-38E
	2.375 (60.3)	2.500 (63.5)	40	VT-6328-40C		VT-5028-40E
	2.500 (63.5)	2.625 (66.7)	42	VT-6328-42C	VT-8028-44E	VT-5028-42E
	2.625 (66.7)	2.750 (68.9)	44	VT-6328-44C		VT-5028-44E
	2.750 (68.9)	2.875 (73.0)	46	VT-6328-46C	VT-8028-46E	VT-5028-46E



CONNECTIVITY

EXPLOSIONPROOF STARLINE

TOOLING

Vantage offers a full line of tooling to assist in the termination and assembly of our attachment plugs and receptacles. The StarLine power connectors feature pressure termination and come with all required tooling. For StarLine control connectors, the AF/SF Series, installation requires using a full-cycle eight indent crimp tool. Please contact us for assistance in specifying your tooling needs.

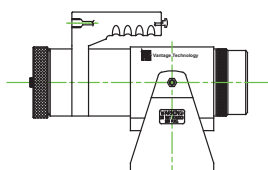
Crimp Tools



Pressure Termination for safe and reliable assembly in the field.



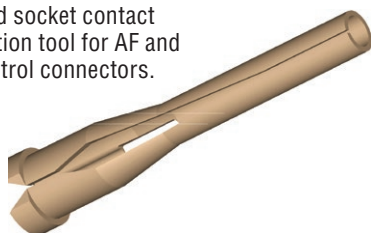
T-104-CT-K Crimp Tool Kit. Hand tool with accessories for contacts #18 through #10 (carrying case and tool inspection gage not shown).



T-105-HE, Pneumatic Crimp Tool. Available with dies, locators and inspection gages for #18 through #4/0 contacts. A foot control is also available. Operates on shop air and inert gas cylinders at 100 PSI.

Contact Extraction Tool

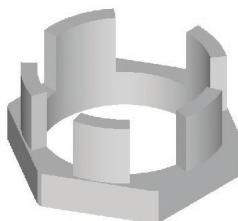
Pin and socket contact extraction tool for AF and SF control connectors.



CONTACT SIZE	EXTRACTION TOOL PART NUMBER
18	T-106-18
16	T-106-16
12	T-106-12
10	T-106-10

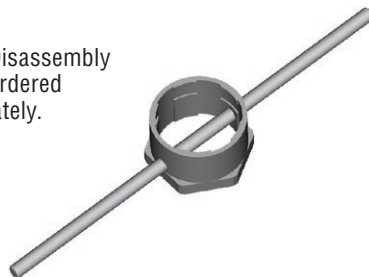
Assembly Tools

Plug Assembly Tool Furnished with plug.



SHELL SIZE	PART NUMBER	
	PLUG ASSEMBLY TOOL	PLUG DISASSEMBLY TOOL
16	T-101-16A	T-102-16R
20	T-101-20A	T-102-20R
24	T-101-24A	T-102-24R
28	T-101-28A	T-102-28R

Plug Disassembly Tool Ordered separately.



Cable Assemblies



Complete cable assemblies and receptacle distribution boxes are available incorporating Vantage Technology connectors. Please contact us regarding specification options.



XP STARLINE INSERT AND CONTACT FEATURES

Inserts

Vantage inserts come in power (30 thru 260A) and control (10 thru 100 contacts) versions. Within these power and control versions many options are available. See depictions of inserts for electrical ratings, certifications and available key positions. Inserts are designed for simplified field termination. Power inserts feature captive contacts that utilize pressure termination. Control inserts utilize crimp contacts that are rear insertable, rear removable. Consult factory for replacements.

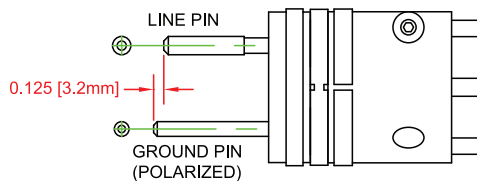
Grounding

Power inserts feature ground contacts which provide shell grounding, polarization, and make-first, break last function. Many control inserts feature ground contacts which provide shell grounding and make-first, break last function.

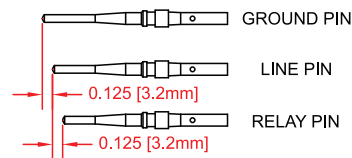
Relay Circuits

Some inserts are available with a pair of relay contacts that are shorter than all other contacts to provide a time delay during breaking and making.

**POWER CONTACTS
PRESSURE TERMINATION, NON-REMOVABLE**



**CONTROL CONTACTS
CRIMP TERMINATION, REAR INSERTABLE - REAR REMOVABLE**



Plating Options

Control contacts come standard with silver plating. Gold plating is available for added corrosion resistance. The following plating options are available.

SYMBOL	FINISH
L	Silver
K	Gold over Silver
D	Gold over Nickel

Ferrules

Ferrules are designed to serve as a compression supporting member when an undersized wire is crimp terminated into a larger contact. Ferrules are gold plated.



PART NUMBER	CONTACT SIZE AWG (MM ²) PIN OR SOCKET		
	10 (6)	12 (4)	16 (1.5)
VT-70065-1012K	12		
VT-70065-1014K	14		
VT-70065-1016K	16		
VT-70065-1216K		16	
VT-70065-1218K		18	
VT-70065-1220K		20	
VT-70065-1620K			20
VT-70065-1622K			22

Example: To transition From #12 contact to #20 wire, use V-70065-1220K.

Thermocouple Contacts

AF / SF inserts with 16 AWG contacts can be ordered with thermocouple contacts.

Termination Information

All inserts are designed for simplified field termination. Control inserts require the use of Vantage crimp tools for safe and reliable circuits.

PART NUMBER/ GENDER	ISA SYMBOL	THERMOCOUPLE MATERIAL	ISA COLOR CODING			TEMPERATURE RANGE	
			(+)	(-)	JACKET	DEGREES CONTINUOUS	SHORT TIME
VT-4016-50MF / PIN	J	Iron (Magnetic)	White	Red	Black	0-1100° C	to 1100° C
VT-4116-50MF / SOCKET	J						
VT-4016-50NF / PIN	J	Constantan (Non-Magnetic)	White	Red	Black	0-1100° C	to 1100° C
VT-4116-50NF / SOCKET	J						
VT-4016-50PO / PIN	K	Chromel (Non-Magnetic)	Yellow	Red	Yellow	0-1100° C	to 1350° C
VT-4116-50PO / SOCKET	K						
VT-4016-50RO / PIN	K	Alumel (Magnetic)	Yellow	Red	Yellow	0-1100° C	to 1350° C
VT-4116-50RO / SOCKET	K						



XP STARLINE INSERT CONFIGURATIONS

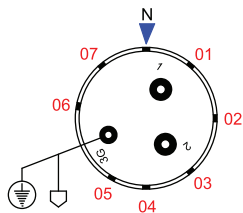
The **Vantage Inserts** presented in this section illustrate the contact configurations available in the StarLine series. Most inserts are available in alternate key positions to prevent the intermating of like configurations in your system. Power inserts (GD/SD) are designed with oversized contacts to maximize cooling. Wire size indicates maximize wire gauge that can be terminated to contact.

3 CONTACTS

Insert Reference

Pins: GD-16-51PL

Sockets: GD-16-51SL



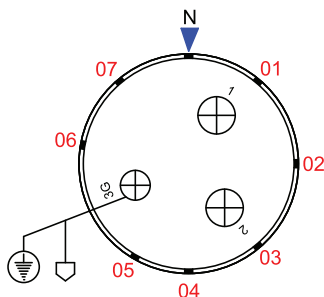
CONTACT QUANTITY		CONTACT AWG (MM²)	WIRE AWG (MM²)	SHELL SIZE		
3		4 (25)	8 (10)	16		
	1000 VAC 50/60/400Hz Non-Circuit Breaking	32 AMP		KEY	POSITION	
				N	0°	
				01	40°	
		600 VAC 60/400Hz Circuit Breaking	30 AMP		02	90°
					03	140°
					04	180°
					05	210°
		480 VAC 60/400Hz Circuit Breaking	30 AMP		06	280°
					07	320°

3 CONTACTS

Insert Reference

Pins: GD-20-61PL

Sockets: GD-20-61SL



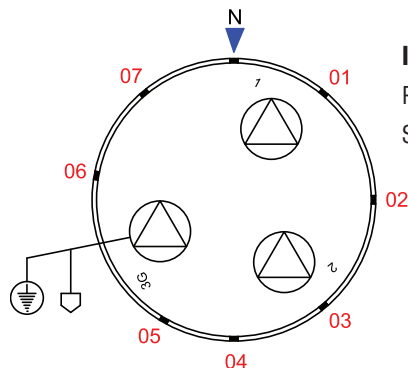
CONTACT QUANTITY		CONTACT AWG (MM²)	WIRE AWG (MM²)	SHELL SIZE
3		1/0 (55)	4 (25)	20
	1000 VAC 50/60/400Hz Non-Circuit Breaking	63 AMP	KEY	POSITION
			N	0°
			01	40°
			02	90°
			03	140°
			04	180°
			05	210°
			06	280°
			07	320°
	600 VAC 60/400Hz Circuit Breaking	60 AMP		
	480 VAC 60/400Hz Circuit Breaking	60 AMP		

3 CONTACTS

Insert Reference

Pins: GD-24-60PL

Sockets: GD-24-60SL



CONTACT QUANTITY		CONTACT AWG (MM²)	WIRE AWG (MM²)	SHELL SIZE																	
3		4/0 (120)	1/0 (55)	24																	
	1000 VAC 50/60/400Hz Non-Circuit Breaking	125 AMP	<table><tr><th>KEY</th><th>POSITION</th></tr><tr><td>N</td><td>0°</td></tr><tr><td>01</td><td>40°</td></tr><tr><td>02</td><td>90°</td></tr><tr><td>03</td><td>140°</td></tr><tr><td>04</td><td>180°</td></tr><tr><td>05</td><td>210°</td></tr><tr><td>06</td><td>280°</td></tr><tr><td>07</td><td>320°</td></tr></table>	KEY	POSITION	N	0°	01	40°	02	90°	03	140°	04	180°	05	210°	06	280°	07	320°
KEY	POSITION																				
N	0°																				
01	40°																				
02	90°																				
03	140°																				
04	180°																				
05	210°																				
06	280°																				
07	320°																				
	600 VAC 60/400Hz Circuit Breaking	100 AMP																			
	480 VAC 60/400Hz Circuit Breaking	100 AMP																			

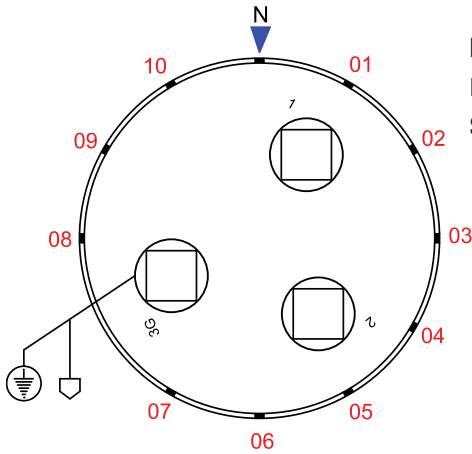
View Shown: Male insert (pins) from front of connector. The female insert (sockets) view is mirrored.

Symbol: Contact grounded to connector shell. Ground pins are longer to make first - break last.	 PRESSURE	CONTACT SYMBOLS										
	CONTACT SIZE			AWG	18	16	12	10	8	4	1/0	4/0
		mm²	0.75	1.5	4	6	10	25	55	120	185	
	 CRIMP	WIRE SIZE	AWG	18	16	12	10	8	8	4	1/0	4/0
mm²			0.75	1.5	4	6	10	10	25	55	120	

EXPLOSIONPROOF STARLINE



XP STARLINE INSERT CONFIGURATIONS



Insert Reference

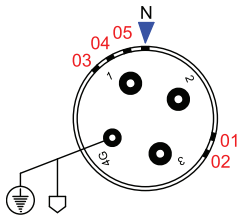
Pins: GD-28-30PL

Sockets: GD-28-30SL

3 CONTACTS

CONTACT QUANTITY	CONTACT AWG (MM ²)	WIRE AWG (MM ²)	SHELL SIZE
3	350 MCM (185)	4/0 (120)	28

KEY	POSITION
N	0°
01	40°
02	90°
03	140°
04	180°
05	210°
06	280°
07	320°
08	270°
09	300°
10	330°



Insert Reference

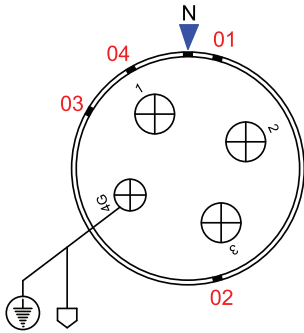
Pins: GD-16-23PL

Sockets: GD-16-23SL

4 CONTACTS

CONTACT QUANTITY	CONTACT AWG (MM ²)	WIRE AWG (MM ²)	SHELL SIZE
4	4 (25)	8 (10)	16

KEY	POSITION
N	0°
01	105°
02	120°
03	315°
04	330°
05	345°



Insert Reference

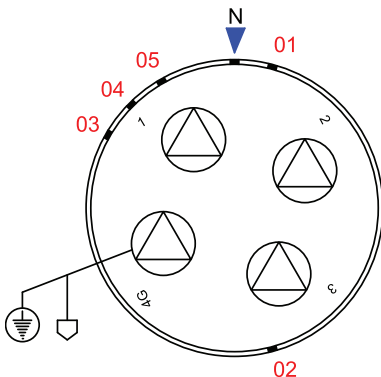
Pins: GD-20-40PL

Sockets: GD-20-40SL

4 CONTACTS

CONTACT QUANTITY	CONTACT AWG (MM ²)	WIRE AWG (MM ²)	SHELL SIZE
4	1/0 (55)	4 (25)	20

KEY	POSITION
N	0°
01	15°
02	165°
03	300°
04	330°



Insert Reference

Pins: GD-24-39PL

Sockets: GD-24-39SL

4 CONTACTS

CONTACT QUANTITY	CONTACT AWG (MM ²)	WIRE AWG (MM ²)	SHELL SIZE
4	4/0 (120)	1/0 (55)	24

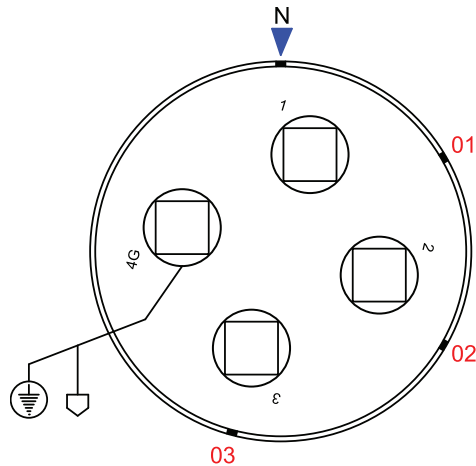
KEY	POSITION
N	0°
01	15°
02	165°
03	300°
04	315°
05	330°



CONNECTIVITY

EXPLOSIONPROOF STARLINE

XP STARLINE INSERT CONFIGURATIONS



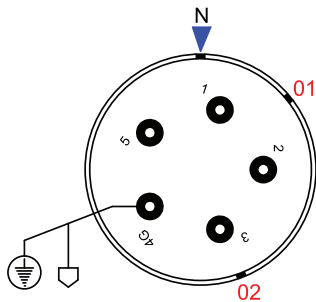
Insert Reference

Pins: GDU-28-31PL

Sockets: GDU-28-31SL

4 CONTACTS

CONTACT QUANTITY	CONTACT AWG (MM ²)	WIRE AWG (MM ²)	SHELL SIZE
4	350 MCM (185)	4/0 (120)	28
	1000 VAC 50/60/400Hz Non-Circuit Breaking	260 AMP	KEY
	600 VAC 60/400Hz Circuit Breaking	200 AMP	POSITION
	480 VAC 60/400Hz Circuit Breaking	200 AMP	
			N 0°
			01 60°
			02 120°
			03 195°



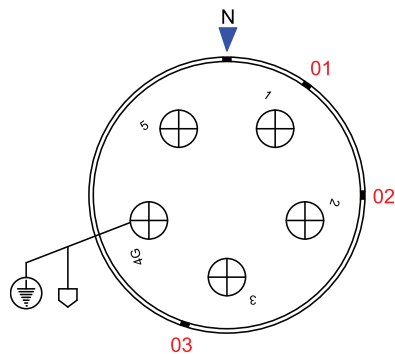
Insert Reference

Pins: GD-20-36PL

Sockets: GD-20-36SL

5 CONTACTS

CONTACT QUANTITY	CONTACT AWG (MM ²)	WIRE AWG (MM ²)	SHELL SIZE
5	4 (25)	8 (10)	20
	1000 VAC 50/60/400Hz Non-Circuit Breaking	32 AMP	KEY
	600 VAC 60/400Hz Circuit Breaking	30 AMP	POSITION
	480 VAC 60/400Hz Circuit Breaking	30 AMP	
			N 0°
			01 51°
			02 159°



Insert Reference

Pins: GD-24-29PL

Sockets: GD-24-29SL

5 CONTACTS

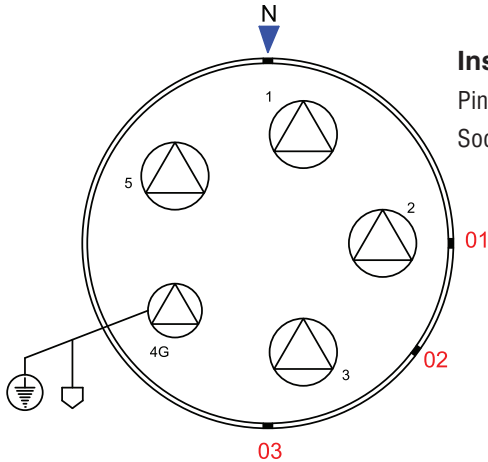
CONTACT QUANTITY	CONTACT AWG (MM ²)	WIRE AWG (MM ²)	SHELL SIZE
5	1/0 (55)	4 (25)	24
	1000 VAC 50/60/400Hz Non-Circuit Breaking	63 AMP	KEY
	600 VAC 60/400Hz Circuit Breaking	60 AMP	POSITION
	480 VAC 60/400Hz Circuit Breaking	60 AMP	
			N 0°
			01 36°
			02 90°
			03 198°

View Shown: Male insert (pins) from front of connector. The female insert (sockets) view is mirrored.

Symbol: Contact grounded to connector shell. Ground pins are longer to make first - break last.		CONTACT SYMBOLS										
		CONTACT SIZE	AWG	18	16	12	10	8	4	1/0	4/0	350 MCM
			mm²	0.75	1.5	4	6	10	25	55	120	185
		WIRE SIZE	AWG	18	16	12	10	8	8	4	1/0	4/0
			mm²	0.75	1.5	4	6	10	10	25	55	120



XP STARLINE INSERT CONFIGURATIONS



Insert Reference

Pins: GD-28-23PL

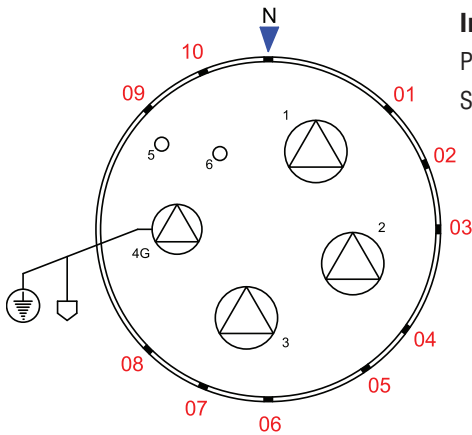
Sockets: GD-28-23SL

5 CONTACTS

CONTACT QUANTITY	CONTACT AWG (MM ²)	WIRE AWG (MM ²)	SHELL SIZE
5	4/0 (120)	1/0 (55)	28

KEY	POSITION
N	0°
01	90°
02	126°
03	180°

EX	1000 VAC 50/60/400Hz Non-Circuit Breaking	125 AMP
CS	600 VAC 60/400Hz Circuit Breaking	100 AMP
UL	480 VAC 60/400Hz Circuit Breaking	100 AMP



Insert Reference

Pins: GD-28-42PL

Sockets: GD-28-42SL

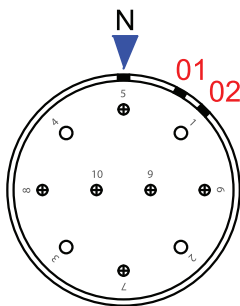
6 CONTACTS

CONTACT QUANTITY	CONTACT AWG (MM ²)	WIRE AWG (MM ²)	SHELL SIZE
4 2	4/0 (120) 10 (6)	4/0 (120) 10 (6)	28

EX	1000 VAC 50/60/400Hz Non-Circuit Breaking	260 AMP
CS	600 VAC 60/400Hz Circuit Breaking	200 AMP
UL	480 VAC 60/400Hz Circuit Breaking	200 AMP

KEY	POSITION
N	0°
01	45°
02	67.5°
03	90°
04	126°
05	145°
06	180°
07	202.5°
08	225°
09	315°
10	337.5°

NOTE: Relay pins 5 & 6 are shorter to make last / break first



Insert Reference

Pins: VT-16-681PL

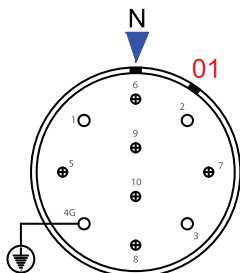
Sockets: VT-16-681SL

10 CONTACTS

CONTACT QUANTITY	CONTACT AWG (MM ²)	SHELL SIZE
6 4	12 (4.0) 10 (6.0)	16

EX	250 VAC 50/60/400Hz 125 VDC Non-Circuit Breaking	20/30 AMP
CS	250 VAC 60Hz Circuit Breaking	10 AMP

KEY	POSITION
N	0°
01	30°
02	45°



Insert Reference

Pins: VT-16-676PL

Sockets: VT-16-676SL

10 CONTACTS

CONTACT QUANTITY	CONTACT AWG (MM ²)	SHELL SIZE
6 4	12 (4.0) 10 (6.0)	16

EX	250 VAC 50/60/400Hz 125 VDC Non-Circuit Breaking	20/30 AMP
CS	250 VAC 60Hz Circuit Breaking	10 AMP

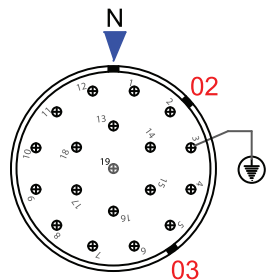
KEY	POSITION
N	0°
01	35°



CONNECTIVITY

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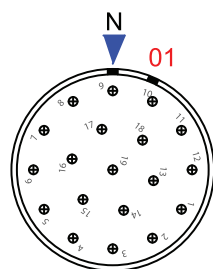
Insert Reference

Pins: VT-16-612PL

Sockets: VT-16-612SL

19 CONTACTS

CONTACT QUANTITY		CONTACT AWG (MM ²)	SHELL SIZE	
19		12 (4)	16	
	250 VAC 50/60/400Hz 125 VDC Non-Circuit Breaking	20 AMP	KEY	POSITION
			N	0°
	250 VAC 60Hz Circuit Breaking	10 AMP	02	48°
			03	144°



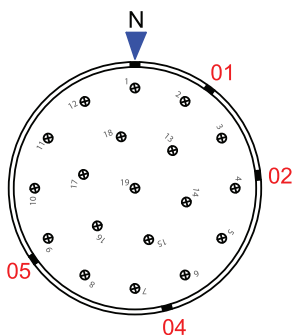
Insert Reference

Pins: VT-16-677PL

Sockets: VT-16-677SL

19 CONTACTS

CONTACT QUANTITY		CONTACT AWG (MM ²)	SHELL SIZE	
19		12 (4)	16	
	250 VAC 50/60/400Hz 125 VDC Non-Circuit Breaking	20 AMP	KEY	POSITION
			N	0°
	250 VAC 60Hz Circuit Breaking	10 AMP	01	24°



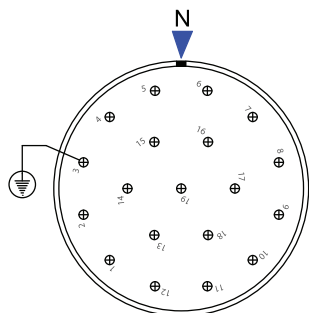
Insert Reference

Pins: VT-20-676PL

Sockets: VT-20-676SL

19 CONTACTS

CONTACT QUANTITY		CONTACT AWG (MM ²)	SHELL SIZE	
19		12 (4)	20	
	250 VAC 50/60/400Hz 125 VDC Non-Circuit Breaking	20 AMP	KEY	POSITION
			N	0°
	480 VAC Non-Circuit Breaking 250 VAC Circuit Breaking 60Hz	10 AMP	01	37°
			02	84°
			04	165°
			05	235°



Insert Reference

Pins: VT-20-688PL

Sockets: VT-20-688SL

19 CONTACTS

CONTACT QUANTITY		CONTACT AWG (MM ²)	SHELL SIZE	
19		12 (4)	20	
	250 VAC 50/60/400Hz 125 VDC Non-Circuit Breaking	20 AMP	KEY	POSITION
			N	0°
	480 VAC Non-Circuit Breaking 250 VAC Circuit Breaking 60Hz	10 AMP		

View Shown: Male insert (pins) from front of connector. The female insert (sockets) view is mirrored.

Symbol: Contact grounded to connector shell. Ground pins are longer to make first - break last.	 PRESSURE	CONTACT SYMBOLS										
	CONTACT SIZE			AWG	18	16	12	10	8	4	1/0	4/0
		mm ²	0.75	1.5	4	6	10	25	55	120	185	
	 CRIMP	WIRE SIZE	AWG	18	16	12	10	8	8	4	1/0	4/0
			mm ²	0.75	1.5	4	6	10	10	25	55	120

EXPLOSIONPROOF STARLINE



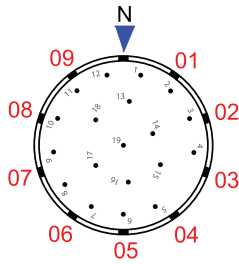
XP STARLINE INSERT CONFIGURATIONS

19 CONTACTS

Insert Reference

Pins: VT-16-655PL

Sockets: VT-16-655SL



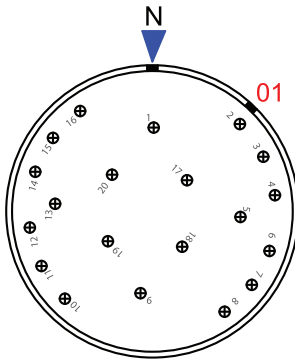
CONTACT QUANTITY		CONTACT AWG (MM ²)	SHELL SIZE	
19		16 (1.5)	16	
	250 VAC 50/60/400Hz 125 VDC Non-Circuit Breaking	15 AMP	KEY	POSITION
			N	0°
	250 VAC 60Hz Circuit Breaking	6.5 AMP	01	36°
			02	72°
			03	108°
			04	144°
			05	180°
			06	216°
			07	252°
			08	288°
			09	324°

20 CONTACTS

Insert Reference

Pins: VT-20-632PL

Sockets: VT-16-632SL



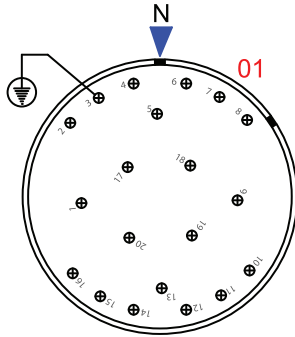
CONTACT QUANTITY		CONTACT AWG (MM ²)	SHELL SIZE	
20		12 (4)	20	
	250 VAC 50/60/400Hz 125 VDC Non-Circuit Breaking	20 AMP	KEY	POSITION
			N	0°
	250 VAC 60Hz Circuit Breaking	10 AMP	01	42.5°

20 CONTACTS

Insert Reference

Pins: VT-20-687PL

Sockets: VT-20-687SL



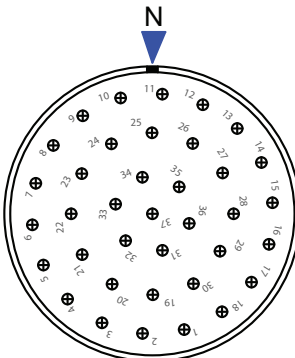
CONTACT QUANTITY		CONTACT AWG (MM ²)	SHELL SIZE	
19		12 (4)	20	
	250 VAC 50/60/400Hz 125 VDC Non-Circuit Breaking	20 AMP	KEY	POSITION
			N	0°
	250 VAC 60Hz Circuit Breaking	10 AMP	01	56°

37 CONTACTS

Insert Reference

Pins: VT-20-686PL

Sockets: VT-20-686SL



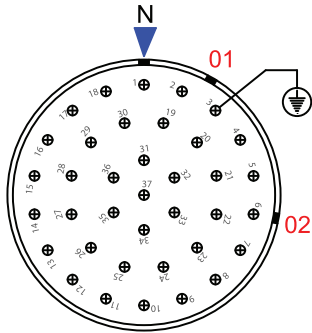
CONTACT QUANTITY		CONTACT AWG (MM ²)	SHELL SIZE	
37		12 (4)	20	
	250 VAC 50/60/400Hz 125 VDC Non-Circuit Breaking	20 AMP	KEY	POSITION
			N	0°
	250 VAC 60Hz Circuit Breaking	10 AMP		



CONNECTIVITY

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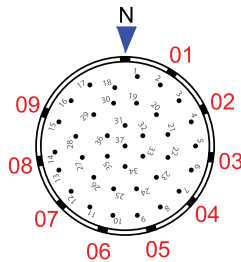
Insert Reference

Pins: VT-20-650PL

Sockets: VT-20-650SL

37 CONTACTS

CONTACT QUANTITY		CONTACT AWG (MM ²)	SHELL SIZE	
37		12 (4)	20	
	250 VAC 50/60/400Hz 125 VDC Non-Circuit Breaking	20 AMP	KEY	POSITION
			N	0°
	250 VAC 60Hz Circuit Breaking	10 AMP	01	30°
			02	100°



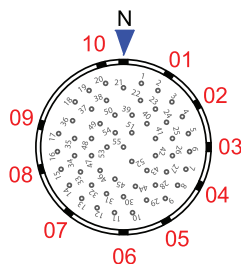
Insert Reference

Pins: VT-16-621PL

Sockets: VT-16-621SL

37 CONTACTS

CONTACT QUANTITY		CONTACT AWG (MM ²)	SHELL SIZE	
37		16 (1.5)	16	
	250 VAC 50/60/400Hz 125 VDC Non-Circuit Breaking	15 AMP	KEY	POSITION
			N	0°
	250 VAC 60Hz Circuit Breaking	6.5 AMP	01	32.5°
			02	65°
			03	97.5°
			04	130°
			05	162.5°
			06	195°
			07	227.5°
			08	260°
			09	292.5°



Insert Reference

Pins: VT-16-640PL

Sockets: VT-16-640SL

55 CONTACTS

CONTACT QUANTITY		CONTACT AWG (MM ²)	SHELL SIZE	
55		18 (0.75)	16	
	250 VAC 50/60/400Hz 125 VDC Non-Circuit Breaking	10 AMP	KEY	POSITION
			N	0°
	250 VAC 60Hz Circuit Breaking	3.5 AMP	01	32°
			02	60°
			03	90°
			04	117°
			05	150°
			06	180°
			07	220°
			08	255°
			09	285°
			10	345°

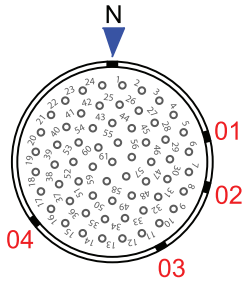
View Shown: Male insert (pins) from front of connector. The female insert (sockets) view is mirrored.

Symbol: Contact grounded to connector shell. Ground pins are longer to make first - break last.	 PRESSURE	CONTACT SYMBOLS										
	CONTACT SIZE			AWG	18	16	12	10	8	4	1/0	4/0
		mm²	0.75	1.5	4	6	10	25	55	120	185	
	 CRIMP	WIRE SIZE	AWG	18	16	12	10	8	8	4	1/0	4/0
			mm²	0.75	1.5	4	6	10	10	25	55	120

EXPLOSIONPROOF STARLINE



XP STARLINE INSERT CONFIGURATIONS



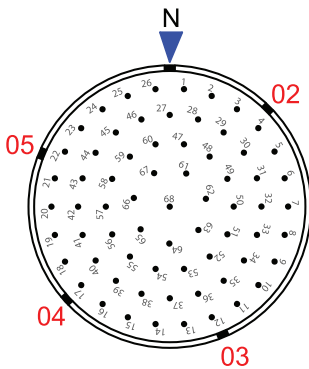
Insert Reference

Pins: VT-16-633PL

Sockets: VT-16-633SL

61 CONTACTS

CONTACT QUANTITY		CONTACT AWG (MM ²)	SHELL SIZE	
61		18 (0.75)	16	
	250 VAC 50/60/400Hz 125 VDC Non-Circuit Breaking	10 AMP	KEY	POSITION
			N	0°
	250 VAC 60Hz Circuit Breaking	3.5 AMP	01	75°
			02	105°
			03	150°
			04	232.5°



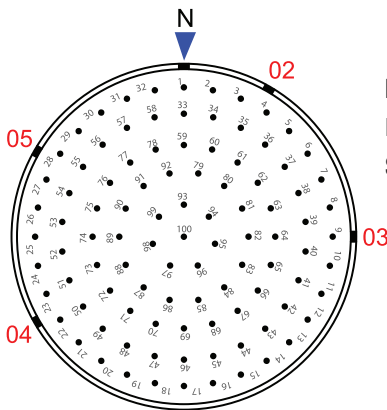
Insert Reference

Pins: VT-20-613PL

Sockets: VT-20-613SL

68 CONTACTS

CONTACT QUANTITY		CONTACT AWG (MM ²)	SHELL SIZE	
68		16 (1.5)	20	
	250 VAC 50/60/400Hz 125 VDC Non-Circuit Breaking	15 AMP	KEY	POSITION
			N	0°
	250 VAC 60Hz Circuit Breaking	6.5 AMP	02	45°
			03	157.5°
			04	228°
			05	292.5°



Insert Reference

Pins: VT-24-613PL

Sockets: VT-24-613SL

100 CONTACTS

CONTACT QUANTITY		CONTACT AWG (MM ²)	SHELL SIZE	
100		16 (1.5)	24	
	250 VAC 50/60/400Hz 125 VDC Non-Circuit Breaking	15 AMP	KEY	POSITION
			N	0°
	250 VAC 60Hz Circuit Breaking	5.0 AMP	02	30°
			03	90°
			04	240°
			05	300°

View Shown: Male insert (pins) from front of connector. The female insert (sockets) view is mirrored.

Symbol: Contact grounded to connector shell. Ground pins are longer to make first - break last.	 PRESSURE	CONTACT SYMBOLS										
	CONTACT SIZE			AWG	18	16	12	10	8	4	1/0	4/0
		mm²	0.75	1.5	4	6	10	25	55	120	185	
	 CRIMP	WIRE SIZE	AWG	18	16	12	10	8	8	4	1/0	4/0
			mm²	0.75	1.5	4	6	10	10	25	55	120