



FEATURES • ALUMINUM VICTORY AF SERIES CONTROL



**Ratings & Certifications:**

**US Class I, Div 1 & 2, Groups B, C & D**  
**Class II, Div.1, Groups F & G**  
 at 250VAC, 60/400 Hz, Circuit-Breaking.  
 Select inserts 480VAC non-circuit breaking.  
**AEx d IIC T6**  
**II 2 GD Ex d IIC**  
**IP 66/67 T 70°C.**  
**KEMA 04ATEX2179X**  
**250VAC, 125VDC**

**PRODUCT FEATURES**

**Control Inserts**

Multi-pin inserts can be specified for either crimp or solder termination with contacts whose size and amp ratings are as follows:

PIN - SOCKET	AMPS	
	US	
#12 AWG / 4.0 mm <sup>2</sup>	10	20
#16 AWG / 1.5 mm <sup>2</sup>	6.5	15
#18 AWG / 1.5 mm <sup>2</sup>	3.5	10

**Circuit Breaking**

AF StarLine CSA listed connectors are circuit breaking, designed and tested to make/break at full rated load – an added safety feature.

**Voltage**

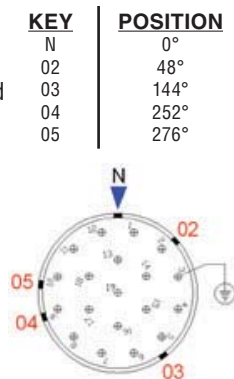
AF Explosionproof StarLine has been tested for service through 250 VAC / 125 VDC circuit breaking; select inserts are rated 480 VAC non-circuit breaking.

**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 6061T6 aluminum and finished by hard anodizing to exceed corrosion resistance requirements per MIL-STD 202, Method 101, Condition D.

**Alternate Keying**

For added safety, inserts can be keyed in alternate positions to prevent mating of different voltages, frequencies or services.



**Factory Sealing**

Junction box, NPT and panel-mounted receptacles are pre-wired and factory sealed. No external seals are required.

**Insert Patterns**

With 15 plus inserts having 10 thru 100 contacts the AF Explosionproof StarLine stands alone as a Class I, Division 1 control connector. 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

**Reverse Service**

Available with all Victory and Millennium series connectors, reverse service provides electrical safety where lineside power is carried from the plug to a receptacle.

**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.

**Purged / Pressurized Systems**

Victory and Millennium series NPT / panel mount receptacles, with factory sealing and flat gaskets are ideal for this technology.



**RECEPTACLE STYLES**

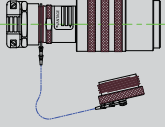
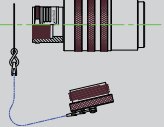



JUNCTION BOX	ATTACHMENT	PANEL MOUNT	NPT MOUNT	TAPPED FLEXIBLE CONDUIT

# CONNECTORS

EXPLOSIONPROOF STARLINE





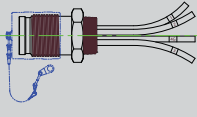
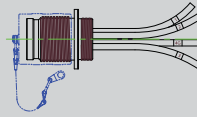
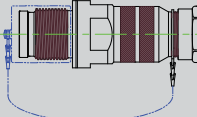
## AF PART NUMBERS

PIN QUANTITY	PIN SIZE AWG (MM <sup>2</sup> ) 'G' = WITH GROUND PIN	AMPS @ 250 VAC <sup>1</sup>		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 <sup>1</sup>	20	AF-D1020-676PL-XX	AF-D1020-676PL-TC	AF-B1720-676SL-FH
19	#12 G (4.0)	10.0 <sup>1</sup>	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 Page CN66  
 Pre-wired lead length can be specified to suit application. Consult factory  
 See pages CN73 and CN74 for Part Number Code Logic  
<sup>1</sup> = Insert is also rated 480 VAC non-circuit breaking.



## AF PART NUMBERS

PIN QUANTITY	PIN SIZE AWG (MM <sup>2</sup> ) 'G' = WITH GROUND PIN	AMPS @ 250 VAC <sup>1</sup>		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 <sup>1</sup>	20	AF-B1920-676SL-L48	AF-B1720-676SL-L36	AF-B1520-676SL-XX
19	#12 G (4.0)	10.0 <sup>1</sup>	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 Page CN66  
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<sup>1</sup> = Insert is also rated 480 VAC non-circuit breaking.