



## Amphe-Mine EX

The modern mining industry has enormous electrical challenges. Electronics used in today's mines and mining equipment must be able to manage more power, handle higher voltages, move data and communication transmissions faster, and operate without interruption in some of the world's harshest environments. With over eighty years of experience in the interconnect industry, Amphenol brings its design, manufacturing, and innovation to the mining market. As an undisputed global leader of interconnect solutions for harsh environments, Amphenol has solutions to solve any technical challenge.

The Amphe-Mine EX series is a hybrid form, of the parent Star-Line product line. The series holds many certifications such as ATEX, IECEx, AEx, Canadian EX and GoST-R. In addition to these hazardous area classifications, Amphenol has added Australian Group I Mining approval. This new certification is through TUV Rheinland, and meets the IECEx listing for Group I applications in Australia.

### Features:

- Underground mining explosive proof design
- Hazardous area, environmental connector IP68-8
- Large coupling sleeve, secured with captive set screws
- Double lead threaded coupling system
- Rated for use up to 1000 VAC
- With EEx d Cable Glands
- Vast family of inserts, for power, signal and mixed applications
- Five different shelf sizes with a number of insert combinations
- 18, 16, 12, 10, 8, 4, 1/0, 4/0 AWG / 350, 500, 535, 646 & 777 MCM
- Extensive array of hardware & strain relief options
- RADSOK® with a current rating up to 1135 Amps

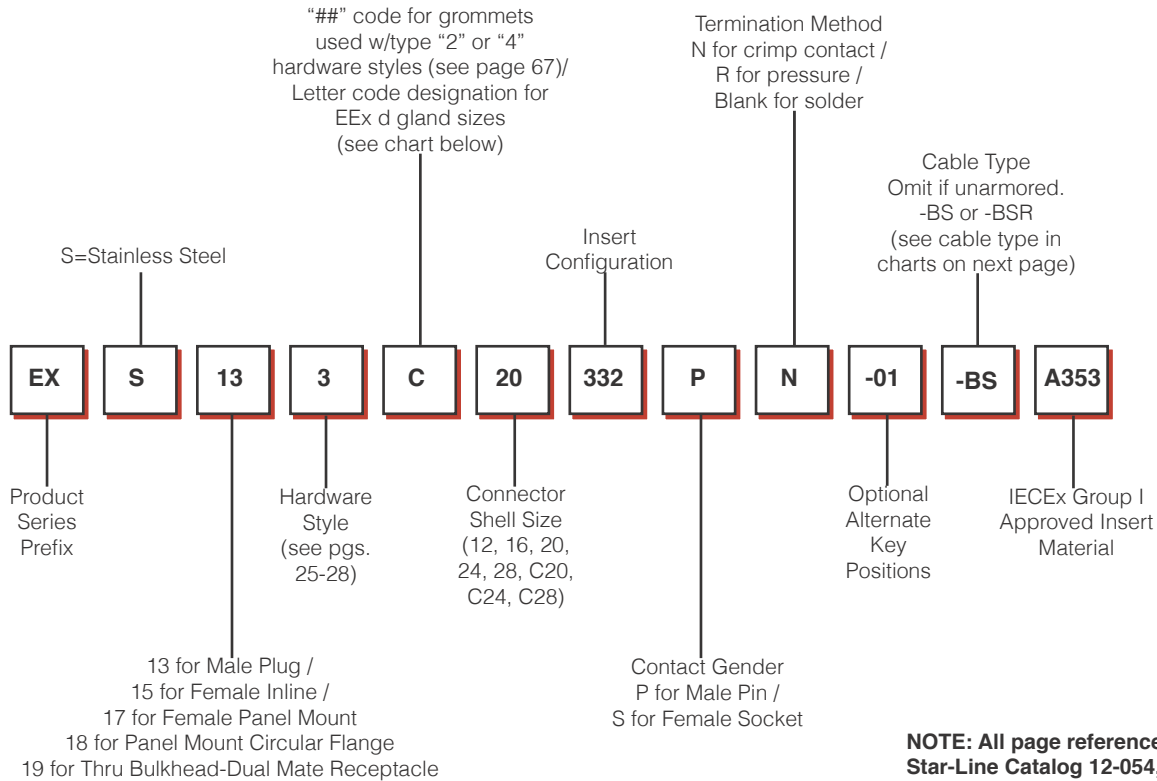


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## Technical Data

- Rugged high grade components
- Solder and Crimp inserts available
- Temperature rating per IECEx T4, T5 or T6 available
- Vast array of Insert varieties to suit most any conductor count or cable style, including VFD, IEEE/UL1309, IEC, BS, DIN and JIC; flexible cables such as SOOW-A, W. G-GC and DLO
- Wide variety of cable glands offered for back-end wire termination, including armored or unarmored cables



**NOTE: All page references based on Star-Line Catalog 12-054, starting on page 25.**

Example Part Numbers	Description
EXS-13-3-C-20-332PN-BSA353	Plug w/ cable gland for armored cable
EXS-15-3-C-20-332SN-BSA353	Inline receptacle w/ cable gland for armored cable
EXS-17-1-20-332SNA353	Panel/Box Mount receptacle, potting required

## Applications

- Asset location systems for underground mining applications
- Onshore and Offshore based Oil & Gas drilling platforms
- Pharmaceutical & Chemical processing plants
- Turbines
- RMT Inter-car Jumpers



**Other Products for the Mining Market: Amphe-CM, IECEx Cable Glands**

Notice: Specifications are subject to change without notice. Contact your nearest Amphenol Corporation Sales Office for the latest specifications. All statements, information and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements of suggestions concerning possible use of our products are made without representation or warranty that any such use is free of patent infringement and are not recommendations to infringe any patent. The user should assume that all safety measures are indicated or that other measures may not be required. Specifications are typical and may not apply to all connectors.



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