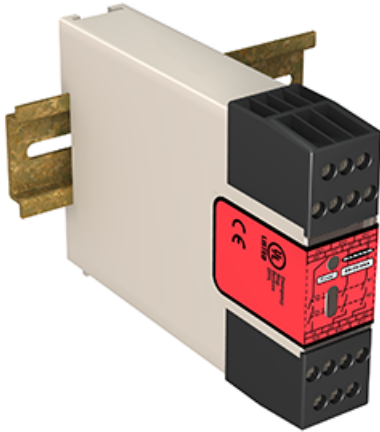


ES-FA-9AA and ES-FA-11AA E-Stop Safety Module



Datasheet



- Monitors emergency stop devices, such as palm buttons and rope/cable pulls, and positive-opening safety switches used for guard/gate interlocking
- The safety inputs can monitor:
 - A +24 V dc source switched by hard/relay contacts in single-channel hookup, or
 - Hard/relay contacts in a dual-channel hookup using terminals S11-S12 and S21-S22
- The ES-FA-9AA has three normally open output switching channels for connection to control-reliable power interrupt circuits
- The ES-FA-11AA has two normally open output switching channels for connection to control-reliable power interrupt circuits and one normally closed auxiliary output channel
- Automatic reset or monitored manual reset
- Design complies with standards ANSI B11.19, UL991, ISO 13850 (EN418), and ISO 13849-1 (EN954-1) (Safety Category 4)
- For use in functional stop category 0 applications per ANSI NFPA 79 and IEC/EN60204-1
- 6 or 7 amp safety output contacts, depending on model
- Plug-in terminal blocks
- 24 V ac/dc operation

Models

Models	Supply Voltage	Outputs	Output Contact Rating
ES-FA-9AA	24 V ac/dc	3 Normally Open (NO)	6 A
ES-FA-11AA		2 Normally Open and 1 Normally Closed (NC)	7 A



Important: Please download the complete ES-FA-9AA and ES-FA-11AA E-Stop Safety Module technical documentation, available in multiple languages, from www.bannerengineering.com for details on the proper use, applications, Warnings, and installation instructions of this device.



Important: Por favor descargue desde www.bannerengineering.com toda la documentación técnica de los ES-FA-9AA and ES-FA-11AA E-Stop Safety Module, disponibles en múltiples idiomas, para detalles del uso adecuado, aplicaciones, advertencias, y las instrucciones de instalación de estos dispositivos.



Important: Veuillez télécharger la documentation technique complète des ES-FA-9AA and ES-FA-11AA E-Stop Safety Module sur notre site www.bannerengineering.com pour les détails sur leur utilisation correcte, les applications, les notes de sécurité et les instructions de montage.



WARNING: Not a Stand-Alone Safeguarding Device

This Banner device is not a stand-alone point-of-operation guarding device, as defined by OSHA regulations. It is necessary to install point-of-operation guarding devices, such as safety light screens and/or hard guards, to protect personnel from hazardous machinery. Failure to install point-of-operation guards on hazardous machinery can result in a dangerous condition which could lead to serious injury or death.

Certifications



Important... Read this before proceeding!

The user is responsible for satisfying all local, state, and national laws, rules, codes, and regulations relating to the use of this product and its application. Banner Engineering Corp. has made every effort to provide complete application, installation, operation, and maintenance instructions. Please contact a Banner Applications Engineer with any questions regarding this product.

The user is responsible for making sure that all machine operators, maintenance personnel, electricians, and supervisors are thoroughly familiar with and understand all instructions regarding the installation, maintenance, and use of this product, and with the machinery it controls. The user and any personnel involved with the installation and use of this product must be thoroughly familiar with all applicable standards, some of which are listed within the specifications. Banner Engineering Corp. makes no claim regarding a specific recommendation of any organization, the accuracy or effectiveness of any information provided, or the appropriateness of the provided information for a specific application.



Banner Engineering Corp. Limited Warranty

Banner Engineering Corp. warrants its products to be free from defects in material and workmanship for one year following the date of shipment. Banner Engineering Corp. will repair or replace, free of charge, any product of its manufacture which, at the time it is returned to the factory, is found to have been defective during the warranty period. This warranty does not cover damage or liability for misuse, abuse, or the improper application or installation of the Banner product.

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