



Certificate: 80037012
Project: 80037012

Master Contract:601366
Date Issued: March 23, 2020

Type BAE SA-XE-051-XR-SA39: Um = 30VDC, Uo = 9.6V, Io = 10.1mA, Po = 24.24mW
(IIC) Co = 0.84uF, Lo = 5mH
(IIB) Co = 3.4uF, Lo = 20mH
(IIA) Co = 4.9uF, Lo = 20mH

Type BAE SA-XE-052-XR-SA39: Um = 126VAC, Uo = 9.6V, Io = 10.1mA, Po = 24.24mW
(IIC) Co = 0.84uF, Lo = 5mH
(IIB) Co = 3.4uF, Lo = 20mH
(IIA) Co = 4.9uF, Lo = 20mH

Type BAE SA-XE-053-XR-SA39: Um = 252VAC, Uo = 9.6V, Io = 10.1mA, Po = 24.24mW
(IIC) Co = 0.84uF, Lo = 5mH
(IIB) Co = 3.4uF, Lo = 20mH
(IIA) Co = 4.9uF, Lo = 20mH

The Ex i control circuit of BAE SA-XE-***-XR-SA39 is galvanically isolated from the non-intrinsic safe relay circuit up to a peak voltage of 375V.

The Ex i control circuit of BAE SA-XE-052-XR-SA39, BAE SA-XE-053-XR-SA39 is galvanically isolated from the non-intrinsic safe power supply circuit up to a peak voltage of 375V.

The Ex i control circuit of BAE SA-XE-051-XR-SA39 is galvanically isolated from the non-intrinsic safe power supply circuit up to a peak voltage of 30V.

Relay contact: Terminals 9, 10, 12 (Max. values, to be connected to devices in non-hazardous locations)
Voltage: 250VAC / 24VDC / 60VDC
Current: 4A / 4A / 0.8A

Ambient temperature:

Ta: -20 Deg. C to +60 Deg. C

Notes:

1. The above model is permanently connected, Pollution Degree 2, Overvoltage Category II.
2. Mode of operation: Continuous.
3. Environmental Conditions: -20 Deg. C to +60 Deg. C, 2000 m max.

APPLICABLE REQUIREMENTS

CAN/CSA C22.2 No. 61010-1-12

Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use - Part 1: General Requirements - Third Edition



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CAN/CSA-C22.2 No. 60079-0:15	Explosive Atmospheres - Part 0: Equipment - General requirements
CAN/CSA-C22.2 No. 60079-11:14	Explosive Atmospheres - Part 11: Equipment protection by intrinsic safety "i"
ANSI/UL 61010-1 3 rd Edition	Safety Requirements for Electrical Equipment for Measurement, Control and Laboratory Use - Part 1: General Requirements - Third Edition
ANSI/UL 60079-0:13	Electrical Apparatus for Explosive Gas Atmospheres - Part 0: General Requirements
ANSI/UL 60079-11:13	Electrical apparatus for Explosive Gas Atmospheres - Part 11: Intrinsic Safety "i"

MARKINGS

Each unit shall bear all the required markings identified in the applicable certification report(s).

Note: The Listee's name and/or CSA file number shall replace the submittor's equivalent information (where applicable).