

Installation Identity and Scope

Emerson A6371-10 is the AMS 6300 SIS backplane version with non-voted trip relays for three A6370D speed monitors. It distributes redundant 24 VDC power and exposes independent Trip A, Trip B and Trip C outputs.

INSTALLATION IDENTITY	REQUIRED VALUE
Complete model	A6371-10
Manufacturer	Emerson
Hardware type	Trip Backplane
System family	AMS 6300 SIS
Official source	Emerson MHM-97442, Rev. 2.08, April 2026; A6371/10 wiring

CONTROLLED ENGINEERING COPY

Record every Trip A/B/C and Out 2/Out 3 terminal before disturbing A6371-10. After installation, verify both supply feeds, the three independent trip relays and the documented 2oo3 auxiliary output logic without crossing channel identities.

APTER POWER SALES TEAM

WHATSAPP / PHONE +86 180 3023 5313
EMAIL sales13@apterpower.com
WEBSITE www.apterpower.com



A6371-10

Pre-Installation Plan

NO.	REQUIRED ACTION
1	Confirm A6371-10; do not assume the trip logic of another A6371 suffix.
2	Place every connected shutdown circuit in the approved test state.
3	Record terminals 1–19 and the external relay destinations before removal.
4	Keep Trip A, Trip B and Trip C conductors individually identified.
5	Verify both 24 VDC SELV/PELV feeds and at least 30 W capacity.

Matched Hardware

CONTROL ITEM	REQUIRED RECORD
Identity	A6371-10
Physical interface	Three A6370D or A6370D/DP monitors
Companion check	A6380/A6381 terminal hardware and shutdown circuits
Configuration	Independent trip and 2oo3 auxiliary wiring record
Functional proof	Two-feed power and relay logic proof test

RELEASE HOLD POINT

Do not disturb the installed device until the exact marking, connections, companion hardware and configured function are documented.

Wiring and Interface Checks

CHECK	MODEL-SPECIFIC REQUIREMENT
Suffix	Confirm /10 non-voted trip version.
Terminals	Record every conductor on 1–19.
Monitors	Preserve A, B and C channel order.
Power A	Verify the first 24 VDC feed.
Power B	Verify the redundant 24 VDC feed.
Trips	Test Trip A, B and C independently.
Auxiliary	Prove Out 2 and Out 3 with 2oo3 combinations.
Release	Confirm no bypass or supply alarm remains.

CONFIGURATION BOUNDARY

Record every Trip A/B/C and Out 2/Out 3 terminal before disturbing A6371-10. After installation, verify both supply feeds, the three independent trip relays and the documented 2oo3 auxiliary output logic without crossing channel identities.

Expected Technical Values

PARAMETER	VALUE
Complete model	A6371-10
System	AMS 6300 SIS
Monitor positions	3 A6370D or A6370D/DP
Trip relay mode	Trip not voted

Commissioning and Acceptance

TEST	ACCEPTANCE CONDITION
Identity	A6371-10 and all terminal destinations are recorded.
Power	Both redundant feeds support the monitor set.
Relay logic	Independent trips and 2oo3 auxiliary outputs are correct.
System proof	Shutdown interfaces are tested and all bypasses cleared.

Technical Questions to Resolve

QUESTION	ENGINEERING ANSWER
What trip logic is built into Emerson A6371-10?	The /10 version is documented as Trip Not Voted: Trip A, Trip B and Trip C are independent relay outputs.
Are all Emerson A6371-10 outputs non-voted?	No. The three trip relays are independent, while auxiliary Out 2 and Out 3 use 2oo3 logic.
How many A6370D monitors fit Emerson A6371-10?	The backplane is arranged for three A6370D or A6370D/DP speed monitors.
Which terminals carry the independent trips on Emerson A6371-10?	The operating manual assigns Trip A, B and C to terminals 7–15.

Source, Related Products and Release

MODEL	APTER POWER PAGE
Bently Nevada 21000-28-05-40-026-04-02	View Bently Nevada 21000-28-05-40-026-04-02
Bently Nevada 21000-28-05-40-028-04-02	View Bently Nevada 21000-28-05-40-028-04-02
Bently Nevada 21000-28-10-00-098-04-02	View Bently Nevada 21000-28-10-00-098-04-02
Bently Nevada 21000-28-10-00-217-04-02	View Bently Nevada 21000-28-10-00-217-04-02
Bently Nevada 21000-32-05-00-038-03-02	View Bently Nevada 21000-32-05-00-038-03-02
Bently Nevada 21000-34-05-00-015-04-02	View Bently Nevada 21000-34-05-00-015-04-02
Bently Nevada 21000-34-05-00-022-03-02	View Bently Nevada 21000-34-05-00-022-03-02
Bently Nevada 21000-34-05-00-036-03-02	View Bently Nevada 21000-34-05-00-036-03-02

MANUFACTURER SOURCE RECORD

AMS 6300 SIS Overspeed Protection System Operating Manual
Emerson MHM-97442, Rev. 2.08, April 2026; A6371/10 wiring

Controlled Release Summary

RELEASE ITEM	REQUIRED EVIDENCE
Identity	A6371-10 recorded
Interface	Connections and companion hardware verified
Configuration	Installed values agree with approved record
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