

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T8243

Trusted power diagnostic interface

ROLE	SUPPLY	ALARMS	CONNECTOR
Power Port	External 24 Vdc	Volt-free contacts	10-way CON3

ICS Triplex T8243 is the Power Port diagnostic interface fitted behind the Trusted power shelf. It takes alarm signals from the shelf and installed power packs and presents volt-free contacts for connection to the plant monitoring arrangement.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T8243
Documented host	T8240 power shelf; rear diagnostic connection
Operating supply	External 24 Vdc on CON3 pins 1 (+24 V) and 6 (0 V)
Supply protection	500 mA F-rated fuse close to the supply source; internal fuse is non-replaceable
Shelf connection	CON1: 25-way male D-sub interface
Extension connection	CON2: 25-way female D-sub for the documented controller or shelf interconnect
Alarm wiring connector	CON3: 10-way Weidmuller BLZF3.5/10 cable block
DC alarm logic	Per pack: DCFAIL and over-temperature protection are combined into one DC fail alarm

02 TECHNICAL DATA

AC alarm provision	Individual AC fail relay contact for each of three pack positions
Alarm contact state	Closed when the fitted pack is healthy; opens when the corresponding alarm relay de-energises
Shelf addressing	J1/J2 select up to four shelf addresses, covering twelve pack addresses
Mechanical retention	D-sub jack screws secure the Power Port to the shelf
Relay contact form	SPDT; use the documented available contact connections
Resistive contact load	0.5 A at 125 Vac or 1 A at 24 Vdc
Maximum switching power	62.5 VA or 30 W; also observe the applicable contact-load limits

03 APPLICATION AND CONFIGURATION

- T8243 connects the rear of the documented T8240 shelf to the plant alarm wiring. It translates pack and shelf diagnostic signals into volt-free contacts and extends the permitted controller or current-sharing connection; it does not convert mains power.
- Match the T8243 identity, T8240 shelf, connector orientation, external 24 V supply, contact loads and J1/J2 addresses. A matching D-sub connector alone does not establish compatibility or permission to interconnect separate busbars.
- Ratings describe the documented equipment, not packed dimensions, shipping weight or a certified supplied-unit origin.

04 OFFICIAL DOCUMENTATION

PD-T824X Issue 11 | Trusted Power System

PDF p. 11: T8243 identity; pp. 27-28: role and outline; pp. 29-32: supply, alarms, addressing and connectors; p. 33: relay limits.

Independent Amikon reference, not an OEM manual. Use the complete manufacturer instructions matching the actual hardware and firmware. No manufacturer pages are reproduced.

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM