

AMIKON TECHNICAL DOCUMENTATION

Product Data Sheet

ICS Triplex T8403

TMR 24 V DC digital input module



CHANNELS	SIGNALS	SUPPLY	SOE
40 TMR inputs	24 V DC digital	20-32 V DC	1 ms resolution

ICS Triplex T8403 provides forty 24 V DC digital inputs within the Trusted TMR platform. Each input is processed through three independent paths, and its measured voltage is compared with configurable thresholds to determine the field contact state.

01

PRODUCT IDENTITY AND SPECIFICATIONS

Product model	T8403
Input channels	40 TMR digital inputs
Nominal signal type	24 V DC digital
Backplane supply	20 to 32 V DC
Backplane power	20 W
Maximum power dissipation	29 W
Input impedance	5 kohms
Input measurement range	-6 to +36 V DC

02 TECHNICAL DATA

Safety accuracy	0.5 V DC
SOE event resolution	1 ms
SOE timestamp accuracy	+/-10 ms
Channel-to-channel isolation	None
Intrinsic safety	External barrier required
Operating temperature	0 to +60 degrees C
Storage temperature	-25 to +70 degrees C
Humidity	10 to 95%, non-condensing

03 APPLICATION AND CONFIGURATION

- Digital contact states require compatible field devices and configured voltage thresholds.
- Open/short line monitoring requires the documented components at the field switch.
- Safety functions depend on the complete validated design and any required external barriers.

04 OFFICIAL DOCUMENTATION

ICSTT-RM271Q-EN-P | August 2021 | PD-T8403 Issue 19

Installation and keying: pp. 19-21; configuration: p. 23; operation/maintenance: pp. 31-38; specifications: p. 39.

Independent Amikon summary, not a manufacturer-issued manual. Use the complete current manufacturer instructions and approved system safety procedure. No original manual pages are reproduced.

AMIKON PRODUCT SUPPORT

+86-18020776786

INFO@AMIKON.CN

AMIKONG.COM