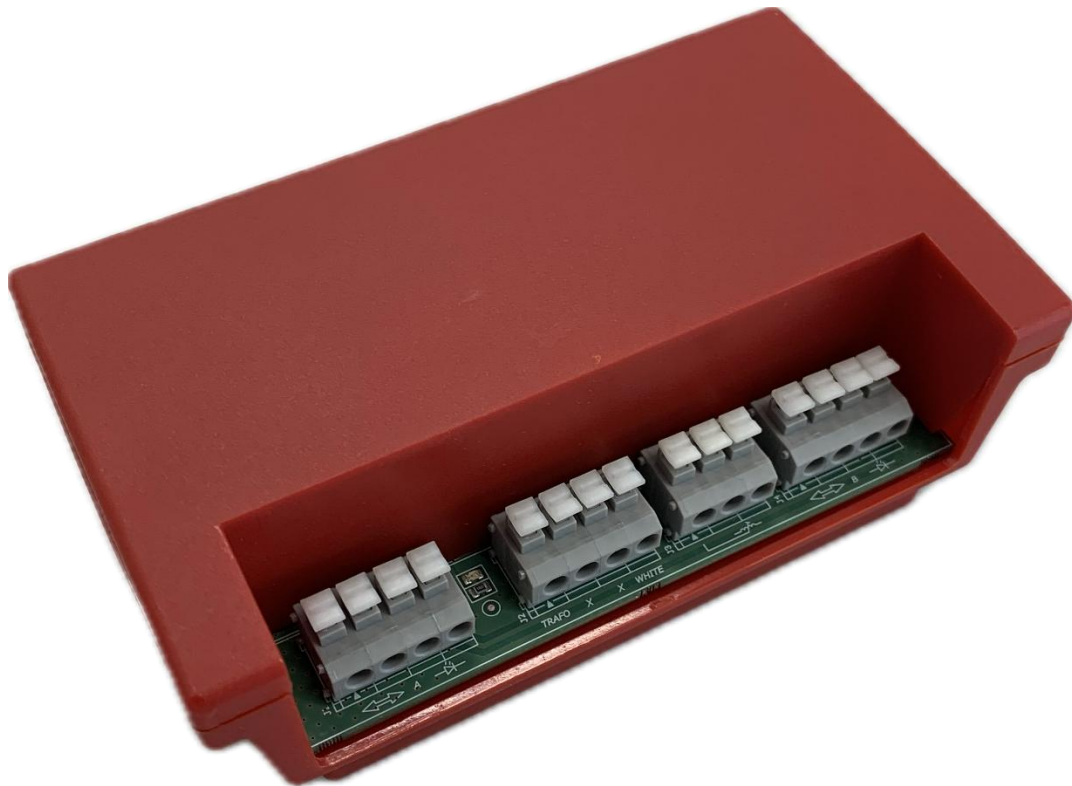


PRODUCT INFORMATION

IS8200-4 Isolator

Voice Alarm Evacuation System

Speaker line isolator



The TMCDAS IS8200-4 is an advanced short-circuit isolator designed for seamless integration into voice alarm evacuation systems. It ensures uninterrupted functionality by effectively managing short circuits and line breakages within the speaker line. The **IS8200-4** has been designed for larger audio power applications. While the **IS8200-1** through **IS8200-3** are intended for applications up to 100 Watts in a ring, with a maximum of 6 Watts per loudspeaker on the connection block, the **IS8200-4** supports a maximum of **800 Watts** in the ring and up to **20 Watts** per loudspeaker on the connection block.

An additional terminal is provided for connecting an external volume control. This allows the volume of the connected loudspeaker(s) to be adjusted, making it suitable for background music (BGM) purposes.

In the event of a voice alarm activation, an extra input is available to trigger an internal relay on the board. This relay overrides the volume control, ensuring the loudspeaker receives maximum audio power.

Unlike other models in the IS8200 series, the IS8200-4 features a **four-wire transmission line connection terminal** to accommodate relay control.

The voltage-sensitive connection block prevents errors from incorrect connections, while the spring connection blocks contribute to easy installment and reliability.

Continuous monitoring of the transmission path enables swift detection and resolution of issues. Setup is simplified with piece-by-piece triggering during initial start-up.

The IS8200-4 Isolator is rigorously tested and certified in accordance with EN54-17 standards, ensuring robust protection and efficient operation in critical safety applications.

THE SOUND OF SAFETY

Specifications IS8200-4 Isolator	
Principle of operation of the short circuit isolator according to EN54-17:Annex A	Simple autonomous voltage sensing isolator (A.2)
Short circuit isolator type	Two directional
Maximum current consumption during idle conditions (A)	1mA
IP protection	IP55
Working conditions range (°C)	-10 °C to 55 °C
Weight (g)	140 grams
Reverse Polarity Protection	Yes
Recommended cable for transmission path	Shielded cable
Maximum rated continuous current with switch closed IC max (A)	100mA at 8,4V DC
Maximum rated switching current with the switch closed IC max (A)	8A
Maximum leakage current with switch open (isolated state) II max (A)	30mA
Maximum series impedance with switch closed Zc max (Ohm)	300mOhm
Maximum DC voltage in loop (V)	30V DC
Maximum AC voltage in loop (V)	100V AC
Maximum audio power on speaker connection block	20W
Wire gauge of the transmission path	1,5mm ²
CE Certificate	1438-CPR-1072