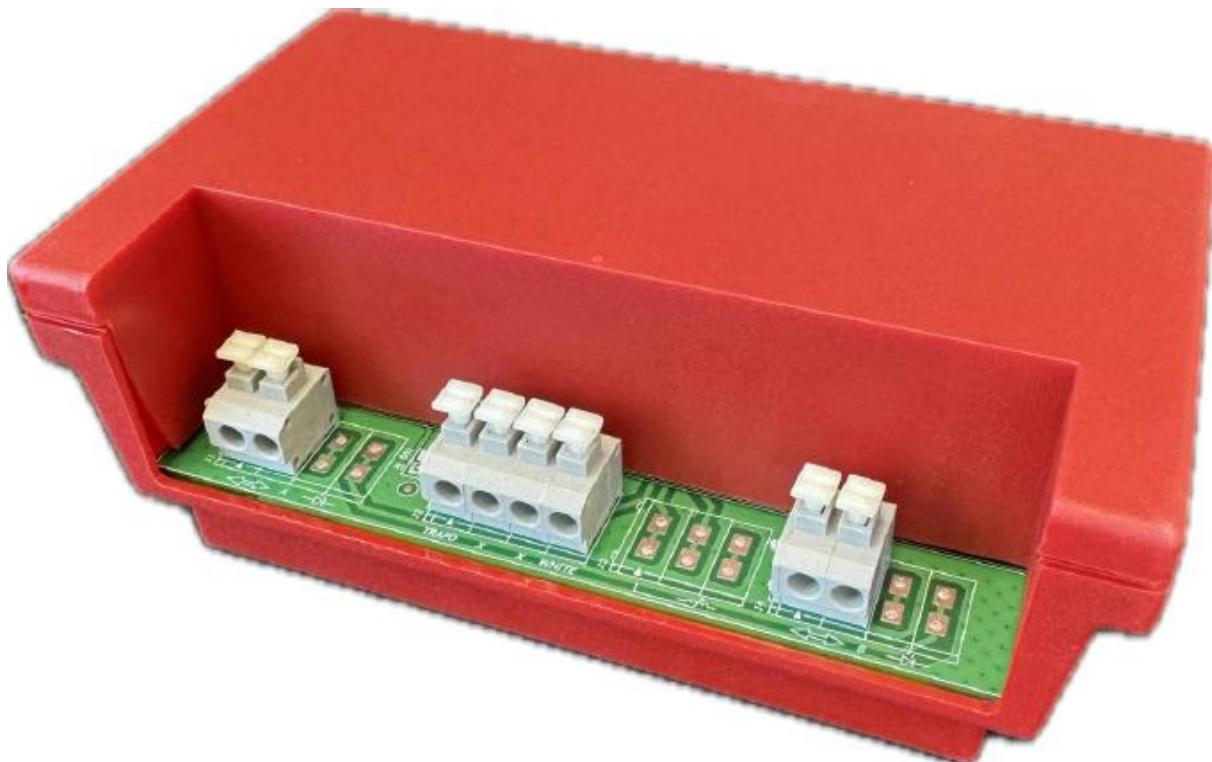


# PRODUCT INFORMATION

## IS8200-5 Isolator

### Voice Alarm Evacuation System

### Speaker line isolator



The TMCDAS IS8200-5 is a short-circuit isolator specifically engineered for seamless integration into voice alarm evacuation systems. Designed to manage short circuits and line breakages within the speaker line, this isolator ensures uninterrupted functionality. Its voltage-sensitive connection block eliminates errors stemming from incorrect connections, while spring connection blocks enhance performance and reliability. Continuously monitoring the transmission path allows for swift issue detection, with easy setup facilitated by piece-by-piece triggering during initial start-up. With support for a maximum audio power of 800 Watts at 100V, and a maximum connected audio power of 20 Watts at the speaker block, this isolator provides robust protection and efficient operation.

The IS8200-5 Isolator is tested and certified according to EN54-17 standards.

THE SOUND OF SAFETY

<b>Specifications IS8200-5 Isolator</b>	
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)	100 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 <sup>2</sup>
CE Certificate	1438-CPR-1072