

PRODUCT INFORMATION

IS8200-1 Isolator

Voice Alarm Evacuation System

Speaker line isolator



The TMCDAS IS8200-1 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 200 Watts at 100V, and a maximum connected audio power of 6 Watts at the speaker block, this isolator provides robust protection and efficient operation.

The IS8200-1 Isolator is tested and certified according to EN54-17 standards.

THE SOUND OF SAFETY

| Specifications IS8200-1 Isolator | |
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| 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) | 60 grams |
| Enclosure material | Polyethylene |
| Reverse Polarity Protection | Yes |
| Recommended cable for transmission path | Shielded cable Eldra DSQ 2x1,5mm ² or similar |
| Maximum rated continuous current with switch closed $I_{C\ max}$ (A) | 100mA at 8,4V DC |
| Maximum rated switching current with the switch closed $I_{C\ max}$ (A) | 2A |
| Maximum leakage current with switch open (isolated state) $I_{I\ max}$ (A) | 30mA |
| Maximum series impedance with switch closed $Z_{C\ max}$ (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 | 6W |
| Wire gauge of the transmission path | 1,5mm ² |
| CE Certificate | 1438-CPR-0332 |