

PRODUCT INFORMATION

IS8200-6 Isolator

Voice Alarm Evacuation System

Speaker line isolator



The IS8200-6 has been designed for switching applications in loudspeaker networks within TMCDAS evacuation systems. This isolator is fully compatible with TMCDAS loop monitor systems.

When the loudspeaker line is activated, 24V is supplied to the central connection block. This power is not drawn from the loop, but is instead provided by the internal rechargeable battery, allowing for a maximum output duration of 30 minutes.

In practical use, the switching function is typically employed to connect the A and B contacts of a relay, or to directly power a device such as a flasher.

The IS8200-6 shares the same PCB design as the IS8200-4 and IS8200-5, with some modifications. The maximum supported audio power is 800W at 100V with a maximum connected audio power of 20W at the speaker block. When the loop returns to an idle state, the loop current is used to recharge the battery.

The IS8200-6 Isolator is tested and certified according to EN54-17 standards.

THE SOUND OF SAFETY

Specifications IS8200-6 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)	200 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