

AUDIO ISOLATOR ISO2-SERIES

ELECTRICAL SPECIFICATIONS

Turns ratio	3,53:1
Impedance XLR6 Female	150 ohm
Impedance XLR6 Male	12 ohm
Frequency response	300Hz – 50.000Hz ±2dB
Line input/output power	150mW
DC resistance XLR6 Female	22 ohm
DC resistance XLR6 Male	1,85 ohm
DC unbalance	12mA (max)
Dielectric strenght	100Vrms



CONNECTORS

XLR 3-pole Female	Audio interface IN
XLR 3-pole Male	Audio interface OUT
XLR 6-pole Male	Intercom interface

MECHANICAL & COMPLIANCE

Material	Anodized Aluminum, Black
IP-rating	IP-54
Dimensions (L x W x H)	130 x 80 x 45 mm
Operating temperature	-40°C to +105°C
Flammability	UL-94 V-0
RoHS	Compliant, RoHS3 directive
REACH	Compliant
ECCN	EAR99

PIN NUMBER	INTERCOM	XLR6 MALE	(PIN) - XLR3-F	(PIN) - XLR3-M
1	MIC ← IN +	12 ohm	(2) - 150 ohm	
2	MIC ← IN -	12 ohm	(3) - 150 ohm	
3	SPK → OUT +	12 ohm		(2) - 150 ohm
4	SPK → OUT -	12 ohm		(3) - 150 ohm
5	PTT +			
6	PTT -			

DOCUMENT REVISION	ERRATA	DATE		
Revision A	Released	28.08.2023		
ORDERING INFORMATION	INTERCOM	RADIO	AUX LEFT	AUX RIGHT
CONNECTOR:	XLR6 MALE	XLR6 FEMALE	XLR3 FEMALE	XLR3 MALE
P/N:	ISO1-150	12 ohm	150 ohm	
P/N:	ISO1-150R	150 ohm	12 ohm	
P/N:	ISO1-300	12/150 ohm	150/12 ohm	
P/N:	ISO1-300R	150/12 ohm	12/150 ohm	
P/N:	ISO1-600	600 ohm	600 ohm	
P/N:	ISO2-150	12 ohm	150 ohm	150 ohm
P/N:	ISO2-150R	150 ohm	12 ohm	12 ohm
P/N:	ISO2-300	12/150 ohm	150 ohm	12 ohm
P/N:	ISO2-300R	150/12 ohm	12 ohm	150 ohm
P/N:	ISO2-600	600 ohm	600 ohm	600 ohm


ACCESSORIES

P/N:	ISO1-xxxF	Flanged end panel, aluminum	* ISO1-series only
P/N:	ISOx-xxxP	Plastic end panel	

CLAUSE

ISO2-series are designed for DCCI U9100 digital intercom radio interface unit with line level audio signals and galvanic AUX audio line isolation. For standard in/out isolation with XLR-4 connector, please refer the ISO4-series.

MIDLAND Communications is not responsible on any possible damages caused by miss use of the device, or power supplied from any third-party device onto signal lines. Please be sure on XLR-cable wiring before connect.

 Designed and manufactured in Finland.