

## RS232/RS485 CONVERTER - IFR

IFR equipment converts the RS232 standard levels to the corresponding levels in the RS485 standard.

IFR converters allow a PC with RS232 to be connected to an RS485 bus.

RS232 drivers activations can be with RTS or automatically if this option has been selected with internal bridges.

For the automatic option, data from the RS232 line activates the drivers.

When data transfer finishes, the IFR converters return to receive mode.



### GENERAL FEATURES

- DIN RAIL MOUNTING
- CONNECTIONS: 2 or 4 WIRE
- OPTICAL INSULATION BETWEEN RS232 and RS485 SERIAL PORTS
- UP TO RS485 SERIAL PORTS

MODEL	IFR
- IFR1	2 WIRE. 1 serial port RS232. 1 Serial port RS485.
- IFRA3 - IFRA	2 or 4 wire. Optically insulated. 1 serial port RS232. 1 Serial port RS485.
- IFR4	2 or 4 wire. Optically insulated. 1 serial port RS232. 4 serial port RS485.

### TECHNICAL SPECIFICATIONS

INPUT	
Number of outputs	1
Type	RS232 (RD, TD, RTS, CTS)

OUTPUT	
Number of outputs	
IFR1, IFRA, IFRA3	1
IFR4	4
Type	RS485
Baud rate	300-76800 Bauds

### OVERLOAD

- 2 Vn x 10 s.
- 1,2 Vn permanent.
- 20 In x 1 s.
- 2 In permanent.

AUXILIARY VOLTAGE	
Aux. V. AC.	110 or 220 V.
Aux. V. DC.	12, 24 or 48 V
Burden	
IFR1	3 VA
IFRA, IFR4	6 VA
IFRA	3 W

### GENERAL

GENERAL FEATURES	
Case material	ABS, UL94 V0
Dimensions	
IFR1	(3 Modules), 52 x 90 mm.
IFRA3	(3 Modules), 52 x 90 mm.
IFRA	(6 Modules), 105 x 90 mm.
IFR4	(9 Modules), 155 x 90 mm.
Terminals	Pluggable
Max wire section	2,5 mm <sup>2</sup>
Weight	
IFR1-IFRA3	0,30 kg
IFRA	0,45 kg
IFR4	0,65kg
Mounting	DIN rail

## CONNECTIONS

