

Implementation of CANopen protocol

The wiring must be realized by cable "4 wires + shield" (DESINA).

On side there is a table with the maximum length in function of Bit Rate selection..

Bit Rate	Max. length
1 Mbit/sec	30 mt
500 Kbit/sec	100 mt
250 Kbit/sec	200 mt
125 Kbit/sec	400 mt

Here below there are the implementations of CANopen specifications.

General Specifications


Specification	Value
NMT	Slave
Error controlling	Node Guarding
SW addressing	Profile DSP-305 V1.1.1 (63ID)
BitRate SW	Profile DSP-305 V1.1.1 (1Mbit/s...125Kbit/s)
PDO Mode	Event-Triggered, Remotely Requested
PDO linking	No
PDO mapping	Variable
Number of SDO	1 Server, 0 Client
Version	DS-301 V3.0
Profile	DS-401 V2.0

Specifications for I/O units

Name	Code	Specifications
		PDO
I/O Open Frame unit: BASOCAN	OPBASOCAN0	2 Rx, 2 Tx
I/O Open Frame unit: BASICAN	OPBASICAN0	2 Rx, 2 Tx
I/O Open Frame unit: BASIOCAN	OPBASIOCAN1 OPBASIOCAN2 OPBASIOCAN4	2 Rx, 5 Tx
I/O Open Frame unit: CAN Node	OPNOCANC0	2 Rx, 5 Tx
I/O IP67 protected units	OPRIP8+8P5 OPEXP16 OPRIP8+24	2 Rx, 2 Tx

Specification CANopen accessories

Name	Code	Specifications
		PDO
Buttons	OPPLMUCAN0	2 Rx, 2 Tx
Pilot	OPPILOTxx	2 Rx, 2 Tx

<p>ISAC S.r.l.</p> <p>CAPITALE SOCIALE 100.000,00 € C.F. e P.I. 01252870504</p>	<p>VIALE CAMPANIA, 61 – ANG. VIA ETRURIA, 36 56021 CASCINA (PI) ITALY</p>	<p>TEL 050 711131 FAX 050 711472</p>	<p>WWW.ISACSRL.IT ISACSRL@ISACSRL.IT</p>	<p>Azienda con sistema di qualità certificato UNI EN ISO 9001:200</p> 
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