

TECHNICAL DATA

max. transfer rate	460 kb/s
max. line length	1 200 m
selectable terminator	120 Ω
isolation	1 kV
connector RS485, RS422	D-SUB 09 pin M
power supply	9 - 30 V DC
power consumption	max 2.5 W
power supply polarity inversion protection	diode
optical indication	PWR
	->
	<-
dimension	135 x 90 x 50mm

do not need setting of transfer rate and protocol parameters

CONDITIONS OF WARRANTY

ComErgon Ltd. provides full warranty of 12 month for serial interface module PRO 2.0/485R starting on the day of purchase. The warranty is except for the cases in which the functioning of the module has been affected by faulty manipulation, natural catastrophes or other external factors.

PRO 2.0/485R

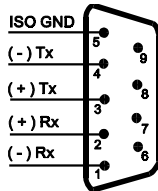
isolated
repeater RS 485
repeater RS 422
converter RS 422 ↔ RS 485



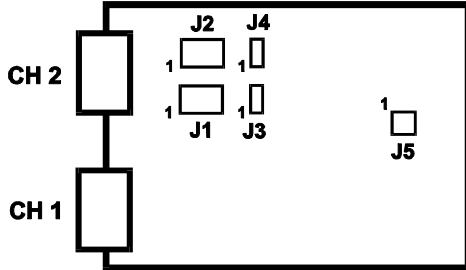
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CONNECTOR CH1 A CH2



LAYOUT OF JUMPER AND CONNECTORS



STANDARD SETTING

mode
terminator
dumping diodes

repeater RS 485
120 Ω
connected

SELECTION OF OPERATING MODES

J1, J3
J2, J4

kanál CH2
kanál CH1

JUMPER	PIN	FUNCTION
OPERATING MODE		
J3 (J4)	1 - 2	RS 422
	-	RS 485
SIGNALISATION OF DATA FLOW DIRECTION		
J5	1 - 2	CH2 - CH1
	3 - 4	CH1 - CH2
TERMINATOR, DUMPING DIODES		
J1 (J2) terminator	1 - 2, 3 - 4	120 Ω + diodes
	1-2, 3-4, 5-6	120 Ω

INTERCONNECTION

module RS 485 pin	repeater RS 485 pin
HALF DUPLEX – mode RS485	
(-) Tx_Rx ←	→ 4_1 (-) Rx_Tx
(+) Tx_Rx ←	→ 3_2 (+) Rx_Tx
FULL DUPLEX – mode RS422	
(-) Tx →	4 (-) Rx
(+) Tx →	3 (+) Rx
(-) Rx ←	1 (-) Tx
(+) Rx ←	2 (+) Tx