

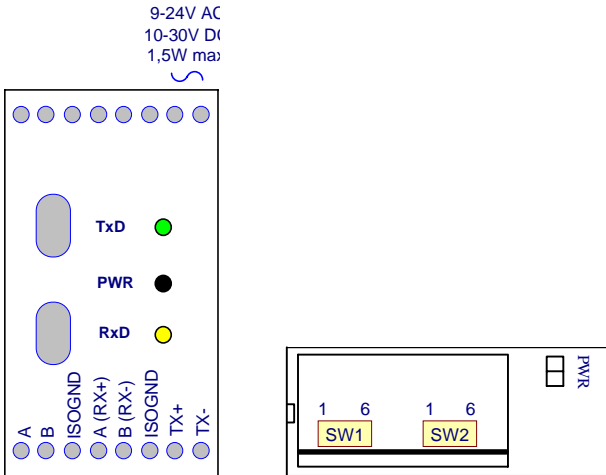
DIN 7.1/485

serial interface

RS 485/422 - fiber optic

with galvanic separation of RS485/422

LAYOUT OF SWITCHES



STANDARD SETTING

mode of transfer
enable transmitter control RS485/422
transmitter control
transmission to fiber optic
terminator
receiver fiber optic
transmitter fiber optic
hold line (pull-up, down)

RS485 – half duplex
enable
by signal TxD
without echo
120 Ω
normal
normal
connected

SETTING OF OPERATING MODES

	ON/OFF	MODE	FUNCTION
SW1	1 OFF	terminator	-
	1 ON	for receiver	120 Ohm
	2 OFF	hold line	disconnected
	2 ON	for receiver – pull down	connected
	3 OFF	hold line	disconnected
	3 ON	for receiver – pull up	connected
	4 OFF	RS422 - terminator	-
	4 ON	for transmitter	120 Ohm
	5 OFF	hold line for transmitter - – pull up – only RS422	disconnected
	5 ON		connected
	6 OFF	hold line for transmitter - – pull down – only RS422	disconnected
	6 ON		connected
SW2	1 OFF	enable transmitter control - RS485/422	enable
	1 ON		third state
	2 OFF	RS422 – full duplex	mode RS422
	2 ON	RS485 – half duplex	mode RS485
	3 OFF	transmitter control	by signal TxD
	3 ON		permanent
	4 OFF	transmission to fiber optic	permanent+echo
	4 ON		without echo
	5 OFF	receiver fiber optic	normal
	5 ON		inverse
	6 OFF	transmitter fiber optic	normal
	6 ON		inverse

TECHNICAL DATA

maximal transfer rate	5 Mb/s
maximal line length	1700 m/ 62.5um / ST
terminator	120Ω
connector RS485/422	screw
connector fiber optic	ST (SMA, SC, FC)
transfer mode	half duplex - RS485 full duplex - RS422 "controlled RS422" "4 - wire RS485"
galvanic separation - RS485/422 side	1 kV
number of channels	1
overvoltage (soft) protec. - RS485/422 side	600W/1ms
overvoltage (soft) protection - power supply	600W/1ms
optical indication (LED)	red PWR yellow RxD green TxD
indication of interrupted fiber optic	permanent yellow LED
IP	IP 30
weight	0.15 kg
power supply	10-30V DC 9-24V AC
power consumption	max 1.1 W
dimensions (l x h x b)	76 x 45 x 115 mm