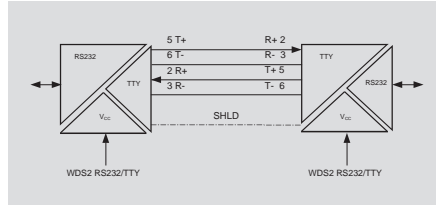
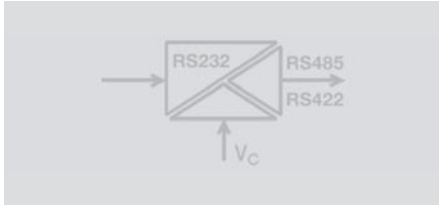


# Serial interface converter

## RS232/RS485/422

- 3-way isolation
- RS232 connection via SUB-D 9
- RS485/422, TTY shield connection via KLBÜ
- DTE or DCE assignment selectable
- Bidirectional communication

## RS232/RS485/422



### Technical data

#### RS232

Connection/Input current  
Assignment

#### RS485/422

Terminating resistors  
Connection  
Bit distortion  
Bit delay  
Control of data direction/  
Shield connection  
Status indicator  
Max. bit rate  
Transmission channels  
Transmission distance

#### General data

Supply voltage  
Power consumption  
Operation temperature  
Storage temperature  
Approvals

#### Insulation coordinates

Standards  
EMC standards  
Rated voltage  
Impulse withstand voltage  
Pollution severity  
Overvoltage category  
Clearance & creepage path  
Isolation voltage Input, output

SUB-D9 (pin)/

DTE/DCE switchable via DIP-Switch

pull down/ pull up via DIP-switch

BLZ screw connection

< 1.5%

<= 3µs

selfcontrolling or via RS232 RTS/CTS/

KLBÜ 4-6/Z1

LED green: supply voltage, TxD, RxD

115.2 kBit/s

half duplex (RS485-2 wire)

full duplex (RS485-4 wire and RS422)

max. 1200m twisted pair

24 Vdc +/- 25 %

approx. 1.5 W

0 °C...+55 °C (horiz. mounting)

-20 °C...+85 °C

CE / ESD / cURus

EN 50178

EN 61000-6-2, EN 61000-6-4, EN 55011

between adjacent electric circuits: 300 V

between electric circuits and PE: 150 V

4 kV

2

III

between adjacent electric circuits: 3mm

between electric circuits and PE: 1.5mm

2 kVdc / 1 min.

#### Dimensions

Clamping range (rating- / min. / max.) mm<sup>2</sup>  
Length x width x height mm

#### Information

#### Screw connection

2.50 / 0.50 / 2.50  
92.4 x 22.5 x 112.4

Tu=23°C, single module

### Ordering data

#### Type of connection

Screw connection

#### Type

WDS2 RS232/RS485/422

#### Qty.

1

#### Order No.

8615700000

#### Information

### Accessories

#### Information

Voltage supply 24V and 0V with ZQV 2.5N/2  
cross-connection

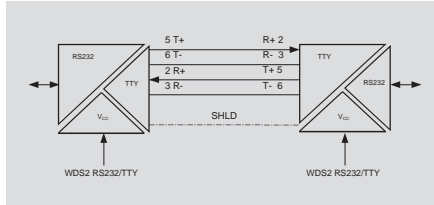
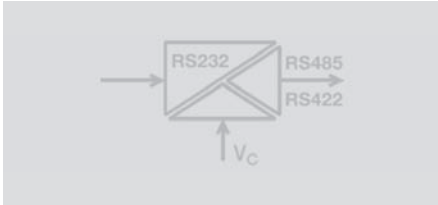
Articles with coloured order number are kept permanently in stock at the central warehouse in Germany.  
Delivery times see page X.2

# Serial interface converter

## RS232/TTY

- 3-way isolation
- RS232 connection via SUB-D 9
- RS485/422, TTY shield connection via KLBÜ
- DTE or DCE assignment selectable
- Bidirectional communication

## RS232/TTY



### Technical data

#### RS232

Connection/Input current  
Assignment

#### TTY

Connection  
Bit distortion  
Bit delay  
Burden  
Shield connection/  
Status indicator  
Max. bit rate  
Transmission channels  
Transmission distance

#### General data

Supply voltage  
Power consumption  
Operation temperature  
Storage temperature  
Approvals

#### Insulation coordinates

Standards  
EMC standards  
Rated voltage  
Impulse withstand voltage  
Pollution severity  
Overvoltage category  
Clearance & creepage path  
Isolation voltage Input, output

SUB-D9 (pin)/

DTE/DCE switchable via DIP-Switch

BLZ screw terminal

< 1.5%

<= 3 µs

<= 500 Ω

KLBÜ 4-6 Z/1/

LED green: supply voltage, TxD, RxD

19.2 kBit/s

full duplex

max. 1000m twisted pair

24 Vdc +/- 25 %

approx. 0.8 W

0 °C...+55 °C (horiz. mounting)

-20 °C...+85 °C

CE / ESD / cURus

EN 50178

EN 61000-6-2, EN 61000-6-4, EN 55011

between adjacent electric circuits: 300 V

between electric circuits and PE: 150 V

4 kV

2

III

between adjacent electric circuits: 3mm

between electric circuits and PE: 1.5mm

2 kVdc / 1 min.

#### Dimensions

Clamping range (rating- / min. / max.) mm<sup>2</sup>  
Length x width x height mm

#### Information

#### Screw connection

2.50 / 0.50 / 2.50  
92.4 x 22.5 x 112.4

Tu=23°C, single module

### Ordering data

#### Type of connection

Screw connection

#### Type

WDS2 RS232/TTY

#### Qty.

1

#### Order No.

8615690000

#### Information

### Accessories

#### Information

Voltage supply 24V and 0V with ZQV 2.5N/2  
cross-connection

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