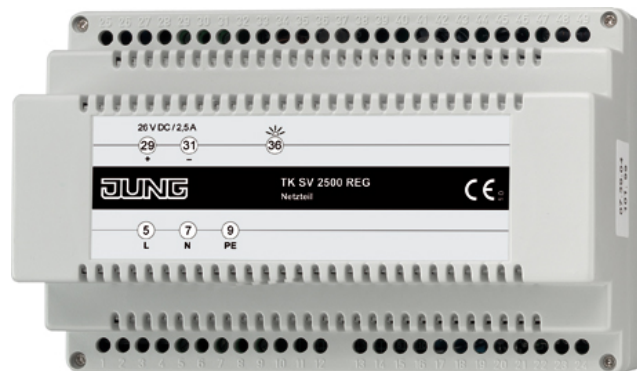


Product Information

Power supply extension

TK SV 2500 REG



Safety instructions



Assembly, installation, and commissioning must only be carried out by a qualified electrician!

For work on systems with 230 V AC mains current the safety requirements of DIN VDE 0100 must be observed.

When installing DCM BUS systems the general safety rules for telecommunication systems in accordance with VDE 0800 must be observed:

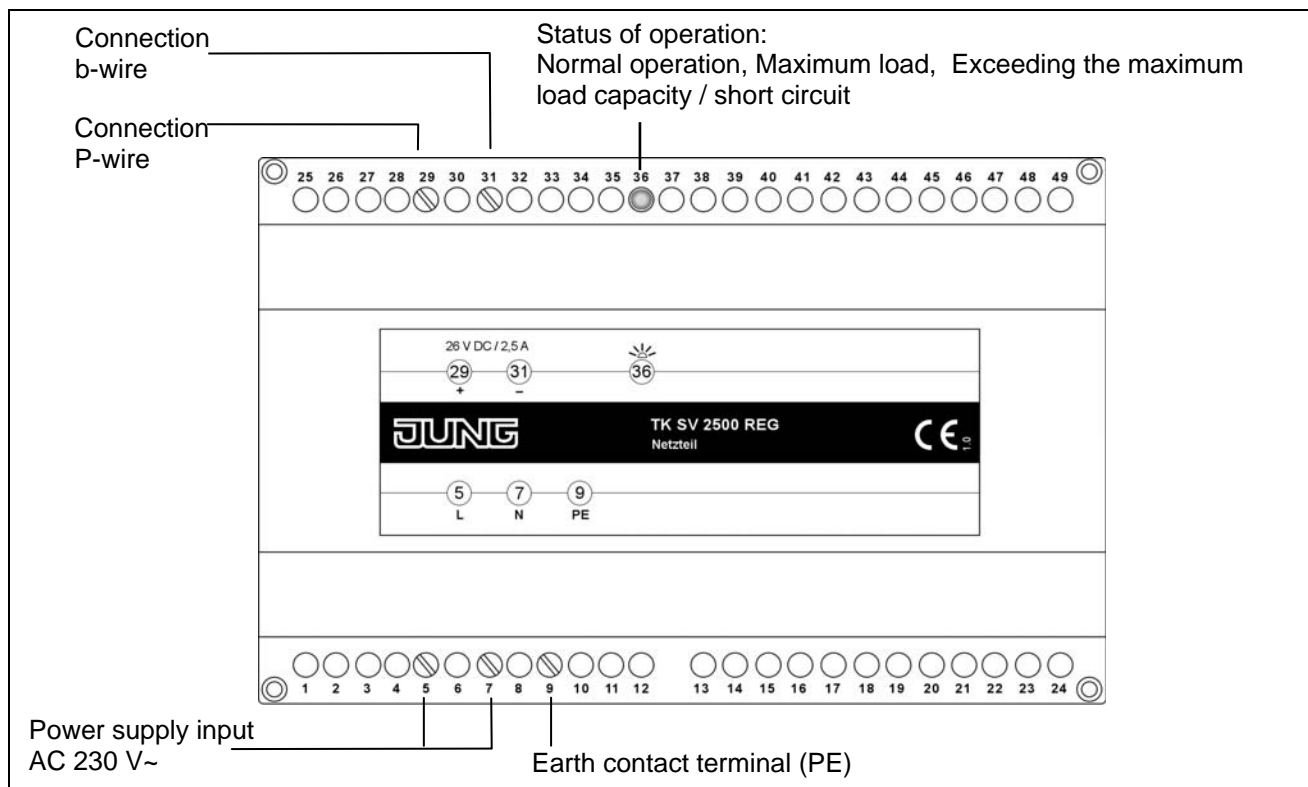
- separate cabling for high and low voltage lines
- minimum distance of 10 cm for joint cabling arrangements,
- use of separators between high and low voltage lines in joint cable ducts



Suitable lightning prediction must ensure that a voltage of 32 V DC will not be exceeded at the DCM BUS wires a and b.

DCM = Door Communication Management

Device overview



Technical data

Input voltage:	AC 230 V~ $\pm 15\%$, 50 / 60 Hz
Output voltage:	DC 26 V
Output current:	$I(+) = 2.5\text{ A}$
Housing:	rail mounting device, 8 rail units DIN EN 60715 TH35
Dimensions:	140 x 90 x 70 mm
Weight	400 g
Permissible ambient temperature:	0 ... 40 °C
EMC compatible:	according to EN 50081 und EN 50082-2
Radio interference suppression:	according to EN 55011

Application

- The TK SV 2500 REG is a power supply unit with a high degree of efficiency for the supply of door communication systems.
- The device will be used as an extension for a power supply and control unit in large door communication installations.

Brief description

Functions

Supply	Output current supply of 2.5 A DC
Status of operation	Normal operation, Maximum load, Exceeding the maximum load capacity / short circuit via 2-colour-LED
Automatic short circuit and overload protection with optical indication	Short circuit or exceeding the maximum load capacity on the secondary side causes: <ul style="list-style-type: none"> • automatic switch-OFF on the secondary side and • automatic re-operation (description see below)

Short circuit / overload protection and automatic restart

Normal operation	LED illuminated green	<ul style="list-style-type: none"> • During operation, the LED shall always be green
Maximum load	LED illuminated red	<ul style="list-style-type: none"> • The output current exceeds the value of 2.5 A. • Reduce the connected load
Exceeding the maximum load capacity / short circuit	LED flashes red	<ul style="list-style-type: none"> • Exceeding the maximum load capacity / short circuit on the secondary side: The device disconnects the secondary circuit. • If the error is eliminated, the device switches ON automatically.

Installation

Connection

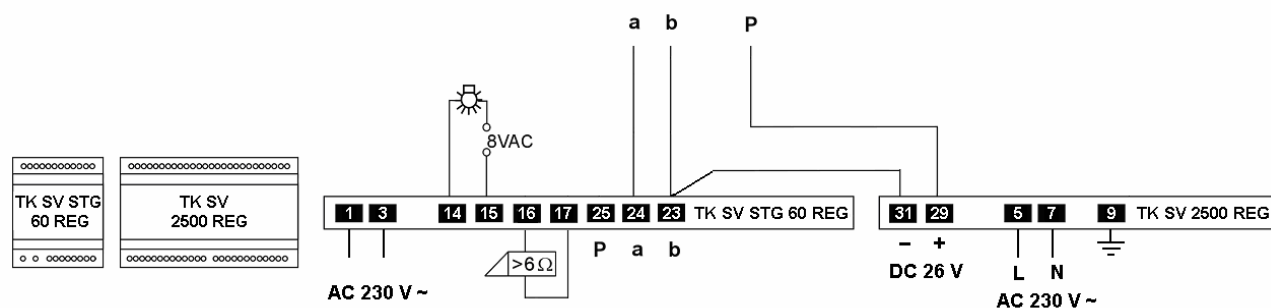
Primary side	Recommended cable cross section: 1.5 mm ²
Maximum admissible permanent output current	2.5 A
Possible connection to terminal 29 (+)	P-wire to the outdoor station, floor bell button and other components which are supplied via the P-wire.
Terminal 31 (-)	has to be connected with the b-wire

! Connect the earth contact to terminal 9 (PE) !

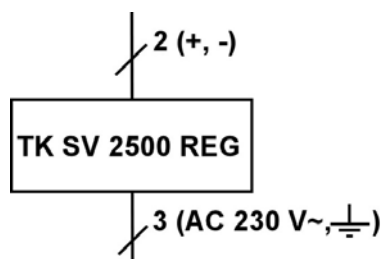
Wiring example (with TK SV STG 60 REG)

Attention!

Do NOT connect terminal 29 (+) of TK SV 2500 REG with terminal 25 (P) of power supply & control unit.



Connection diagram



Acceptance of guarantee

We accept the guarantee in accordance with the corresponding legal provisions.
Please return the unit postage paid to our central service department giving a brief description of the fault:

ALBRECHT JUNG GMBH & CO. KG

Service-Centre

Kupferstr. 17-19
44532 Lünen
Germany

Service-Line: 0 23 55 . 80 65 51

Telefax: 0 23 55 . 80 61 89

E-Mail: mail.vki@jung.de

Technique (DCM)

Service-Line: 0 23 55 . 80 65 52

Fax: 0 23 55 . 80 62 55

E-Mail: mail.vka@jung.de



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Technical subjects to change.
EN_TKSV_2500REG.doc
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