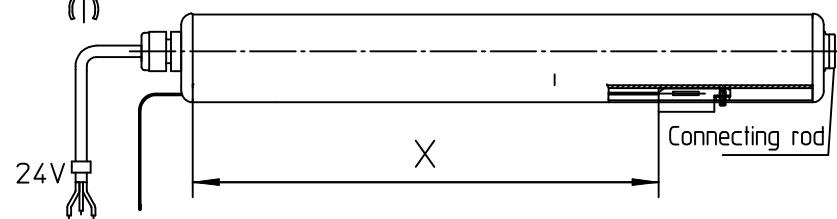
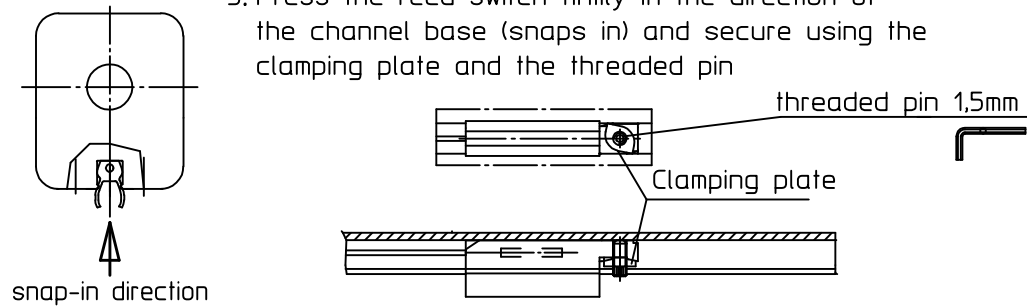


# I Stroke Limit

1. Insert reed switch into the middle channel of the spindle drive
2. Determine required adjusting range. Set pos. X of the reed switch according to the table.

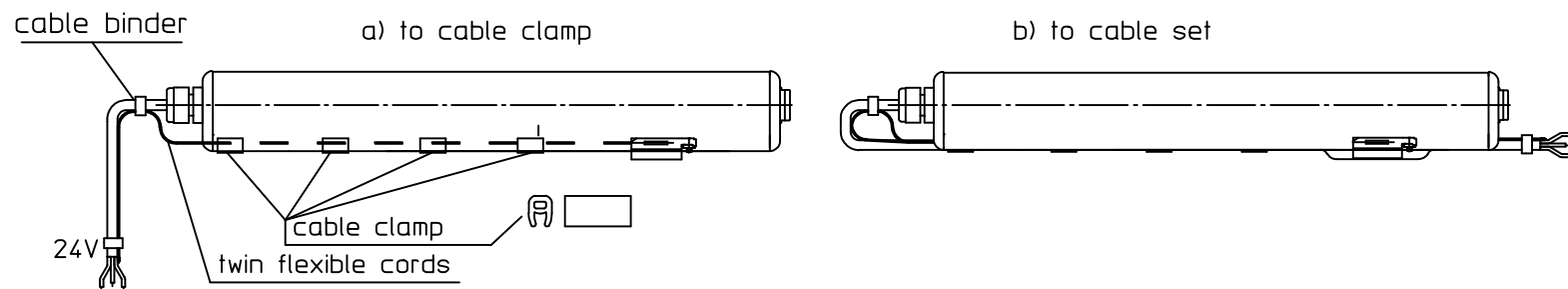


3. Press the reed switch firmly in the direction of the channel base (snaps in) and secure using the clamping plate and the threaded pin



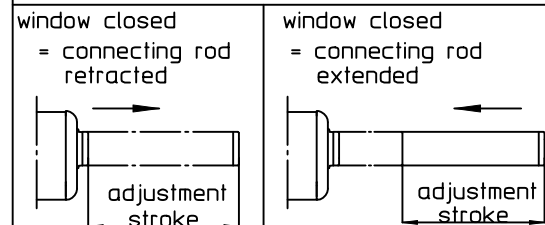
When installing the reed switch near the hinged console, the cable clamp of the reed switch should be disconnected.

4. Install twin flexible cords and cables and connect:



5. Connect drive and strike limit PCB.
6. Conduct trial run, measure stroke, if necessary adjust reed switch position to allow for any difference (nominal-actual stroke values)

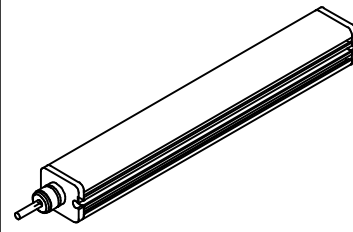
start-position X (mm)



e.g.:  
: RWA 100E, RWA 110E,  
OL350E, OL360E  
Direct ventilation window  
Skylight

e.g.: RWA 105E,  
OL 370E,

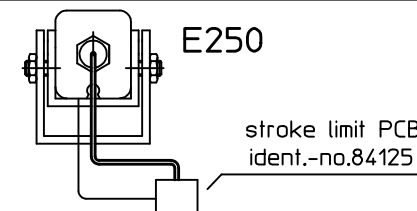
|       |                       |                                    |
|-------|-----------------------|------------------------------------|
| E250  | 190+adjustment stroke | 164+drive stroke-adjustment stroke |
| E350N | 290+adjustment stroke | 264+drive stroke-adjustment stroke |



Electro drive unit E250; E350N

**Safety precautions:**  
 \*Compliance with all applicable local design requirements and with general accident prevention regulations, DIN standards and VDE specifications is mandatory.  
 \*In addition, the regulations relating to power-driven windows, doors and gates, ZH1/494 issued by the federal organization of industrial business associations, central office for accident prevention and industrial medicine, are applicable.  
 \*All assembly and installation work must consequently be carried out by qualified personnel.

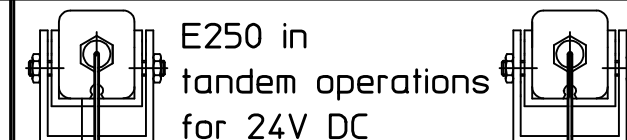
24V DC



Follow terminal diagram, drawing no. 45130-9-0991

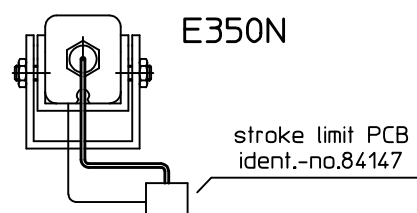
Order requirement strike limit E250 (24V)

| Pcs. | Description                      | ident.-no. |
|------|----------------------------------|------------|
| 1    | Basic unit                       | 83941      |
| 1    | Printed circuit board (PCB) E250 | 84125      |



stroke limit PCB ident.-no.84125  
 Connecting lead (length 2m)  
 tandem interruption E 100, 24V-DC ident.-no. 72485  
 Connecting lead e.g. to RWA central emergency unit cable cross-sectional area 3x mm<sup>2</sup>  
 up to 20m =1,5mm<sup>2</sup>  
 up to 40m =2,5mm<sup>2</sup>  
 up to 70m =4mm<sup>2</sup>

230V AC

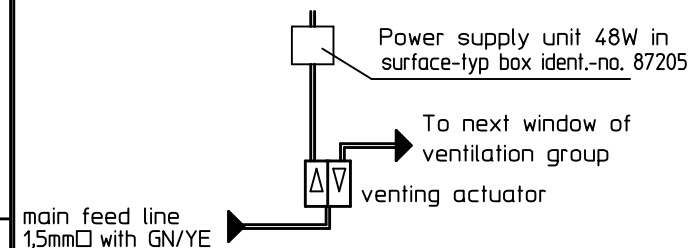


Follow terminal diagram, drawing no. 45133-9-0955

Order requirement strike limit E350N (230V)

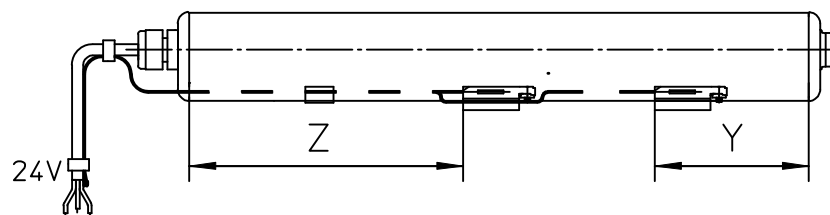
| Pcs. | Description   | ident.-no. |
|------|---|------------|
| 1    | Basic unit  | 83941      |
| 1    | Printed circuit board (PCB) E350N in surface-type box | 84147      |

For 230V AC, as above, plus:



# II Positional Feedback

Installation of reed switch for positional feedback.  
 See also installation for strike limit.



Depending on the individual application, either one or two basic units must be installed for the positional feedback. See drawing and table.

| Basic Unit Ident.-No. 83941 |      |
|-----------------------------|------|
| Contents of packing unit:   | Pcs. |
| Reed switch,complete        | 1    |
| Cable binder                | 1    |
| Cable clamp                 | 8    |

| Positional feedback Order requirement     | for:            | basic unit ident.-no.83941 | Additional PBC ident.-no.84171 | Feedback display mode                              |
|---|-----------------|----------------------------|--------------------------------|--|
| *open_or shut* window                     | E250 or E350N * | 1X                         | —                              | by LEDs (by others)                                |
| *open_and shut* window                    | E250 or E350N * | 2X                         | —                              | by LEDs (by others)                                |
| *open_and shut* window for venting groups | E250 **         | 2X per drive               | 1X                             | By venting actuator E507 and fire alarm button FT4 |

\*Follow terminal diagram, drawing no. 45130-9-0993  
 \*\*Follow terminal diagram, drawing no. 45130-9-0992

The terminal diagrams mentioned above are included in the appropriate packs

## Positional Feedback E250 and E350N

| Feedback:   | start position of connection rod: retracted |        |               |        |                      |        | start-position of connecting rod: extended |        |               |        |                      |        |
|-------------|---|--------|---------------|--------|----------------------|--------|--|--------|---------------|--------|----------------------|--------|
|             | "open" window                               |        | "shut" window |        | "open + shut" window |        | "open" window                              |        | "shut" window |        | "open + shut" window |        |
|             | Z (mm)                                      | Y (mm) | Z (mm)        | Y (mm) | Z (mm)               | Y (mm) | Z (mm)                                     | Y (mm) | Z (mm)        | Y (mm) | Z (mm)               | Y (mm) |
| drive E250  | -   | 41     | 166           | -      | 166                  | 41     | 166  | -      | -             | 41     | 166                  | 41     |
| drive E350N | -   | 41     | 266           | -      | 266                  | 41     | 266  | -      | -             | 41     | 266                  | 41     |

Diese Zeichnung entspricht dem Entwicklungsstand des Zeichnungsdatums bzw. der letzten Änderungseintragung. Aus der Benützung der Zeichnung können keine Ansprüche, gleich welcher Art, einschließlich Schadenersatzansprüche, abgeleitet und gegen GEZE geltend gemacht werden.

Die Zeichnung bleibt unser Eigentum und ist Dritten nur für die Vertragsdauer zur Benützung überlassen. Sämtliche sich aus der Zeichnung ergebenden Ansprüche stehen ausschließlich GEZE zu. Ohne vorherige Zustimmung von GEZE darf diese Zeichnung weder vervielfältigt noch Dritten zugänglich gemacht werden.

| Ersatz für:                                     |  |            |  | Benennung                                |  |              |  |
|---|--|------------|--|--|--|--------------|--|
| E250 und E350N: Installation manual reed switch |  |            |  | for stroke limit and positional feedback |  |              |  |
| Ersetzt durch:                                  |  | Datum      |  | Name                                     |  | Material Nr. |  |
|   |  | 18.01.2002 |  | tbm16                                    |  | 87993        |  |
|   |  | 03.06.2002 |  | tbm8                                     |  | 45130-9-0990 |  |
| Norm  |  | Maßstab    |  | alte techn.Nr.                           |  | Blatt / von  |  |
| 02  |  | 1:1        |  | 1  |  | 1            |  |
| Vers. Datum Name Mitt.Nr.                       |  |            |  |  |  |              |  |

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Zeichnungs Nr.  
 45130-9-0990