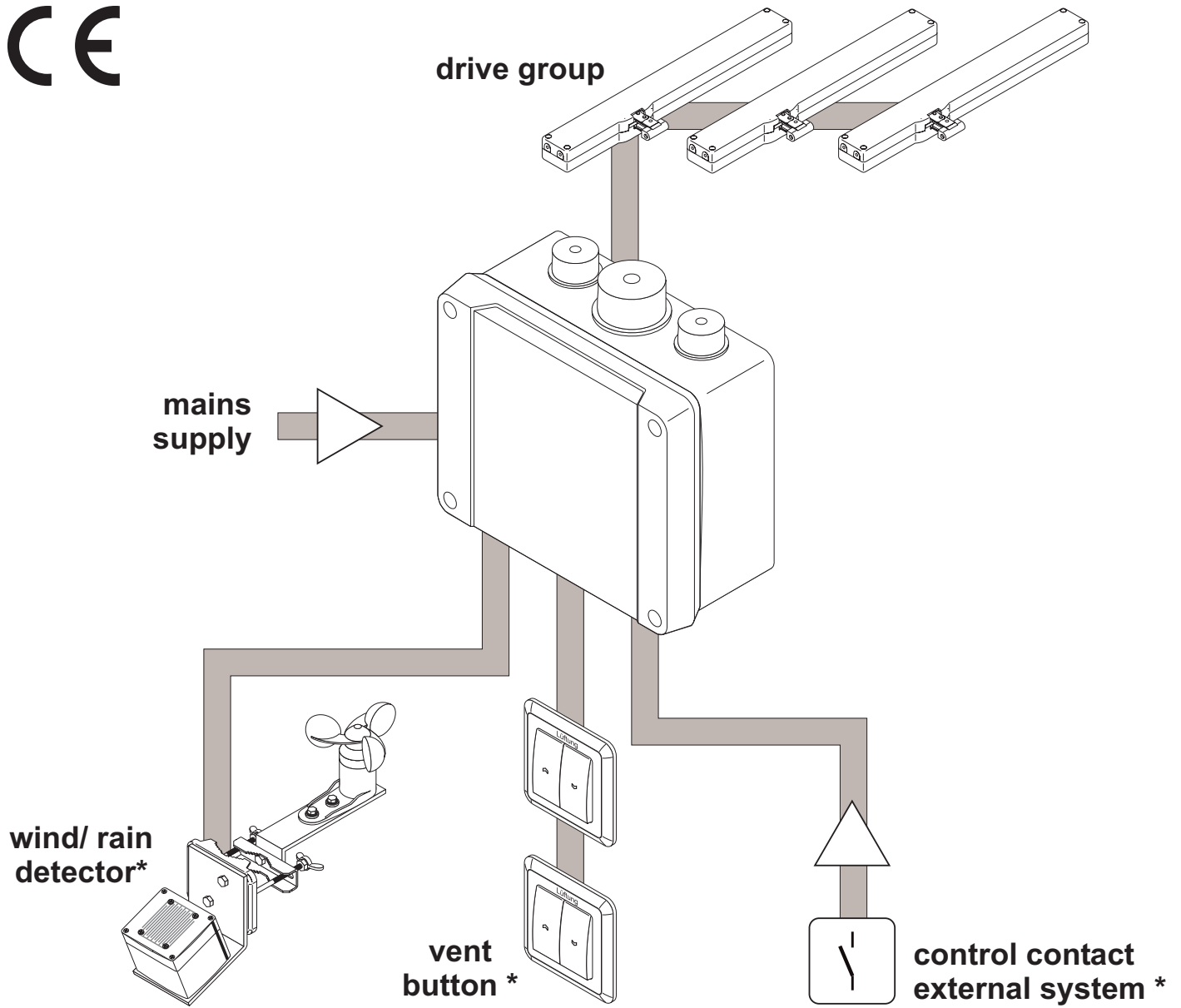
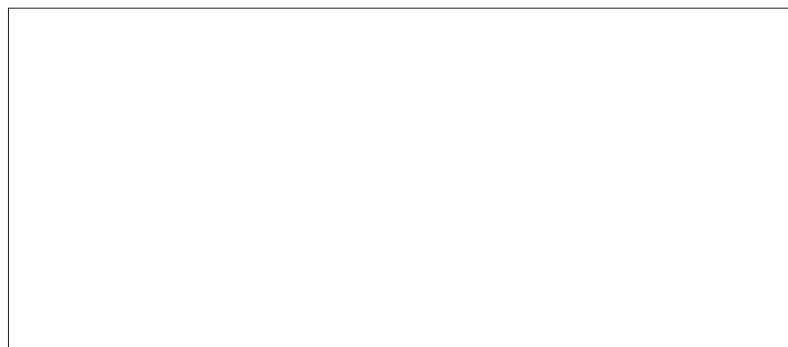


# Ventilation System GVL 8301-K



\* optional function extension (separate components retrofitable!)





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## Pictograph explanation

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	Vent button function "ON"
	Vent button function "OFF"

## Guarantee

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You will get **2 years** guarantee for all D+H products from date of verified handing over of the system up to maximal 3 years after date of delivery, when mounting and starting has been carried out by a D+H authorized **distributor**.

D+H guarantee is expired, with connection of D+H components with external systems or with mixing of D+H products with parts of other manufacturers.

## Please observe!

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This instruction includes descriptions and connection plans of components, which are not contained in extent of supply of control cabinet. You can get these parts and many other ones separate at your D+H distributor. Further connecting plans are available there as well.

## Important regulations

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VDE 0100 for electric systems and regulations of EVU for electric mains have to be observed.

## Technical Data

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Rated voltage : 230VAC / 50Hz

Power consumption  
GVL 8301-K : 30VA

Interfering emission: EN 55011

Resistance to

jamming : EN 61000-4-2;-3;-4  
EN 50204

Protective category : II

Protective system : IP54

Class of rating : Short-time (20% ED)

Output voltage : 24V

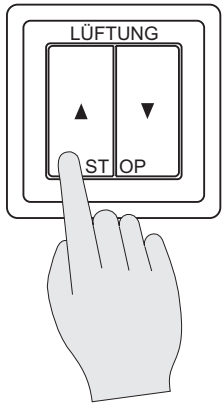
Safe output current

GVL 8301-K : 1A

Temperature range : 0°C to + 60°C

# Operation

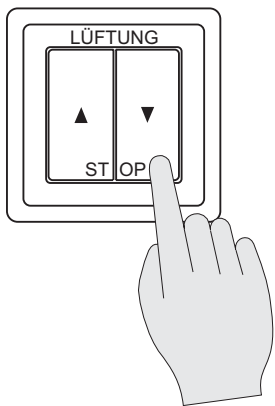
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## Opening

Press button  $\blacktriangle$ .

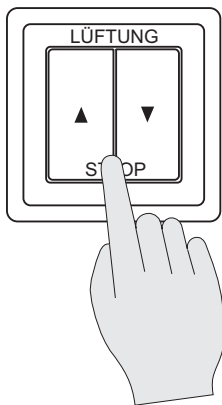
Depending on set safety function (see page 9) the window drive is automatically running open after the button has been pressed once, or only as long as the button is pressed.



## Closing

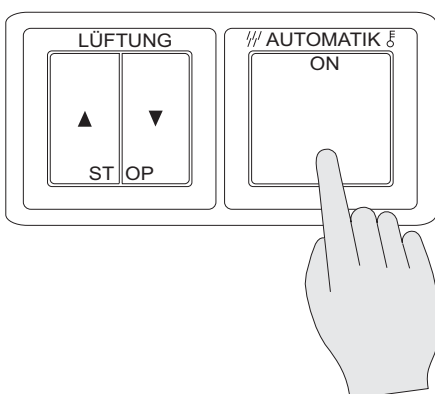
Press button  $\blacktriangledown$ .

Depending on set safety function (see page 9) the window drive is automatically closing after the button has been pressed once or only as long as the button is pressed.



## Stopping

Press simultaneously button  $\blacktriangle$  and  $\blacktriangledown$  for stopping the drives in any intermediate position you like.



## Disconnecting weather automatic

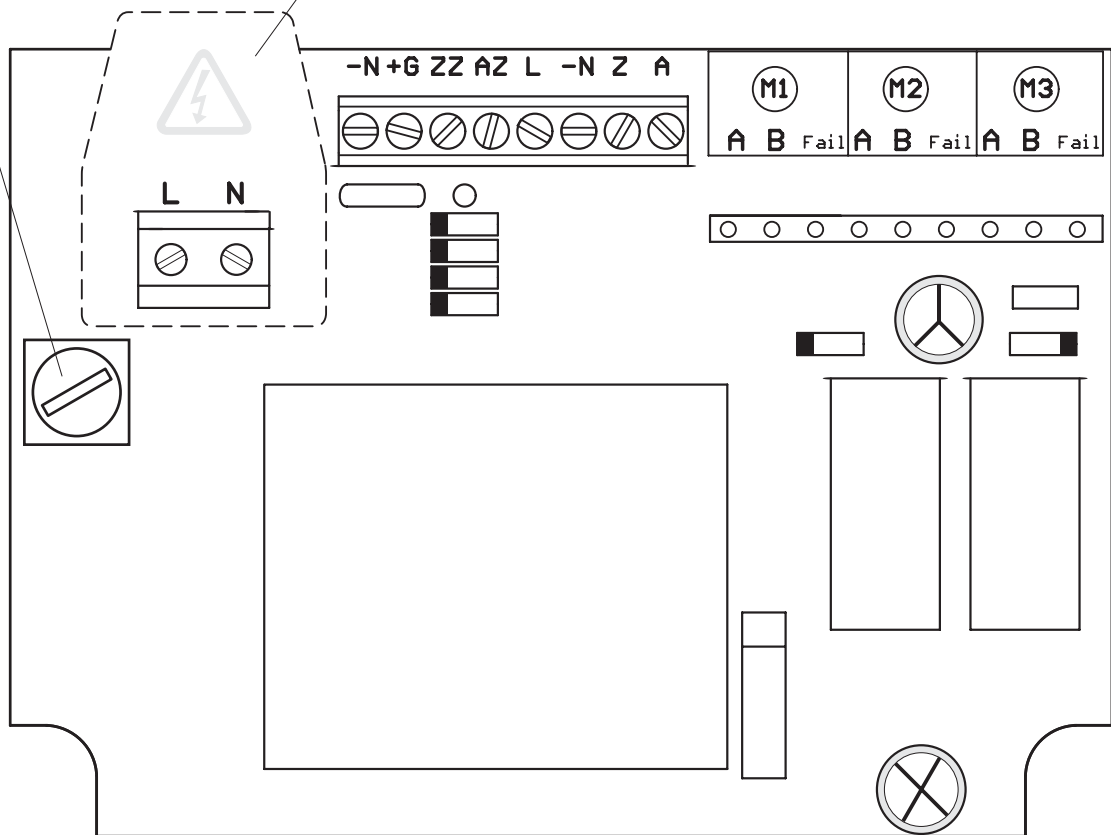
Wind/rain control or room temperature control, if available, can be stopped functioning with vent button combination LT 43U-W.

Wind/ rain control and room temperature control can be individually stopped functioning each with vent button combination LT 83U-W.

# View motherboard

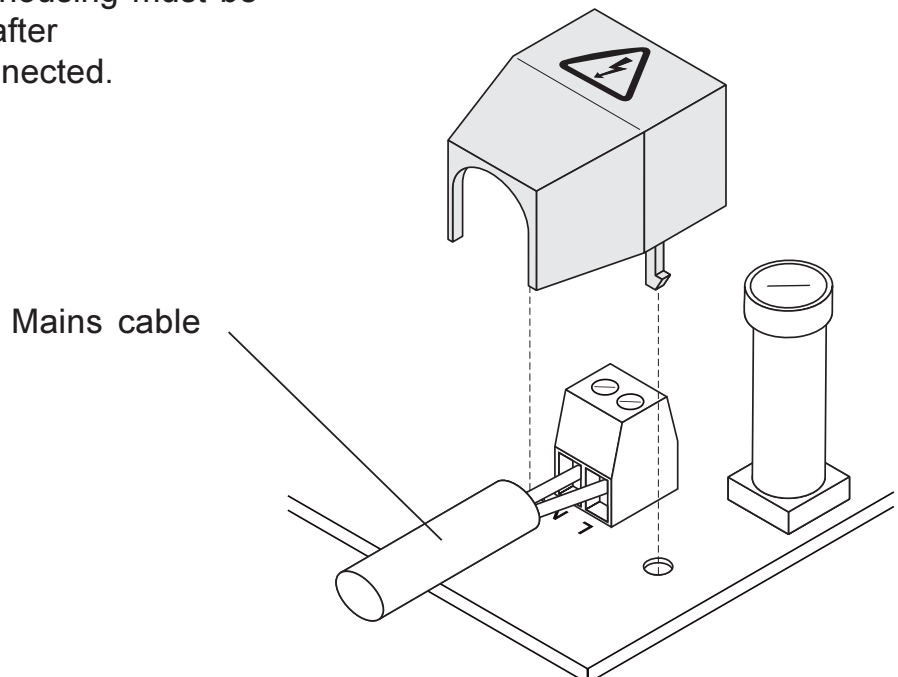
Fuse mains  
GVL 8301-K = T0,2A

230V  
covering cap

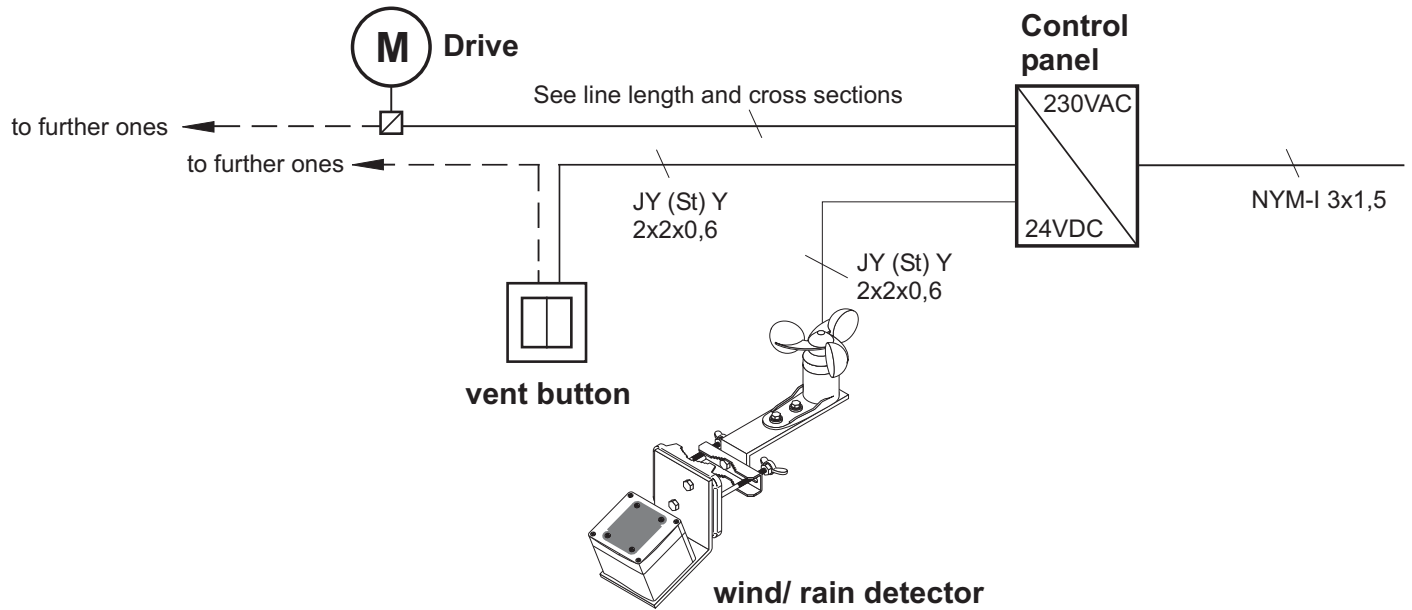


## 230V Covering cap

The covering cap enclosed in housing must be placed over the mains binder after the mains cable has been connected.



# Wiring Plan (Paragon)



## ATTENTION!

Install and feed weak current lines separately from supply mains.

Possibility of connecting further components.

## Line lengths and Cross sections:

*Earthed conductor must not be wired!*

Typ/ type		GVL 8301-K	
Antriebe/ drives	0,5A	1	2
	1A		1
	2x1,5mm <sup>2</sup>	240m	120m
	2x2,5mm <sup>2</sup>	400m	200m

$$\text{cross section (mm}^2\text{)} = \frac{\text{plain cable length (m)} \times \text{power consumption of connected drives}}{80}$$

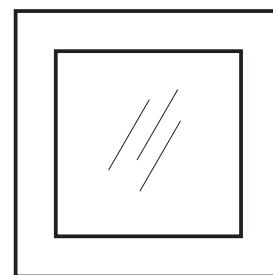
# Setting of Safety Function

The OFF-diode, marked below, must be cut out with side cutting pliers, if the window, which is to open, is within arm's reach (**fitting heights of the window less than 2,5m / see at the right**). Through this, a „deadman's function“ will be achieved with closing of the window. The window wing will be closing only as long as the vent button is operated.

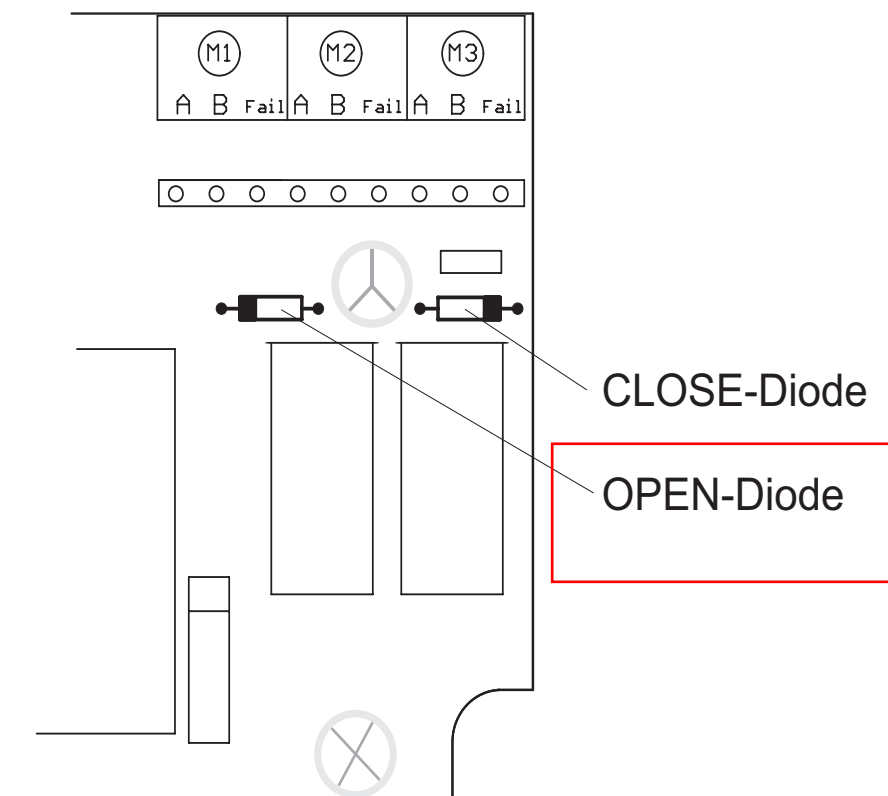
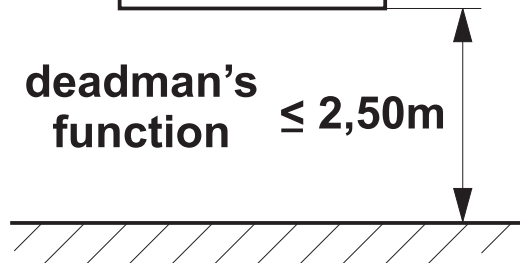


In this case, automatic control is not permissible, e.g. by room temperature control or wind/rain detector.

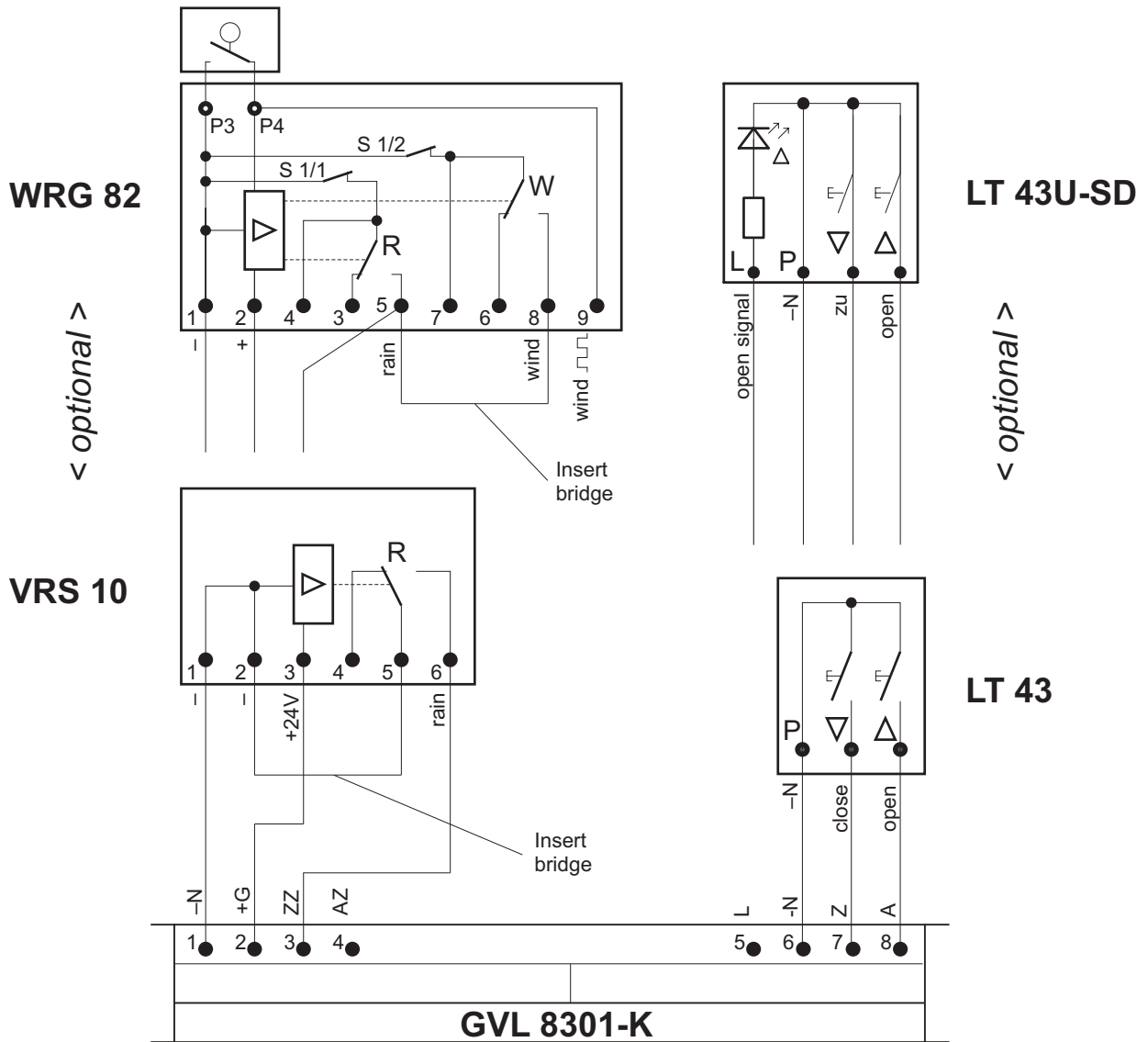
See guideline ZH 1/494 and safety notes, which are included to the drive!



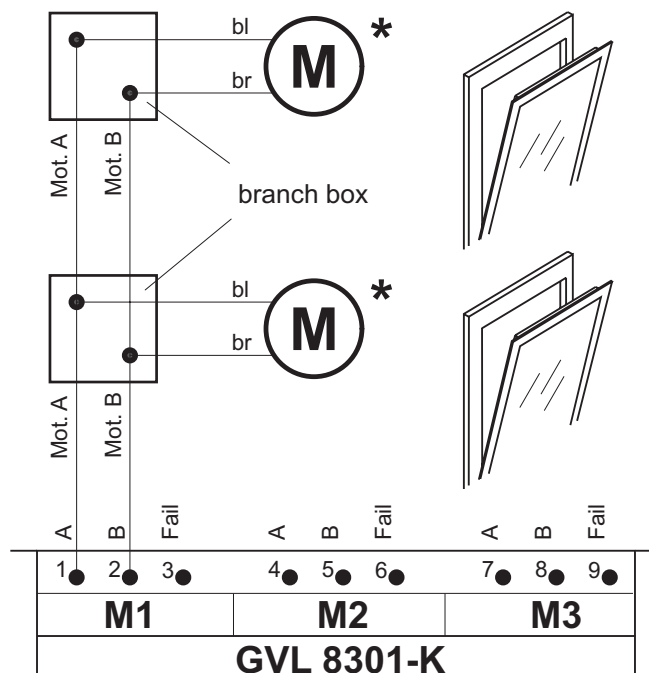
deadman's function  $\leq 2,50\text{m}$



# Connection WRG 82 / VRS 10

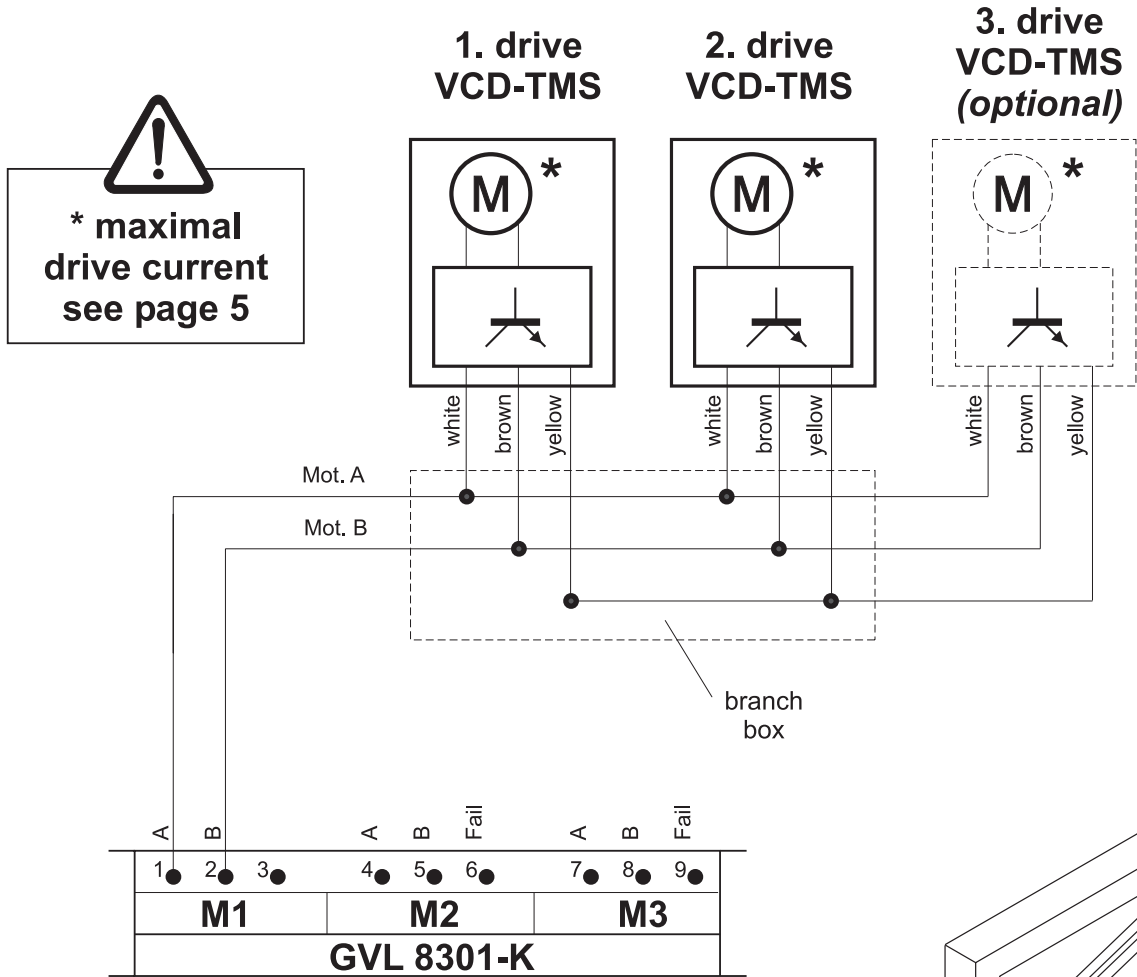


# Connection 1 and 2 drives



# Connection 3 drives

## with external branch box



## without branch box

