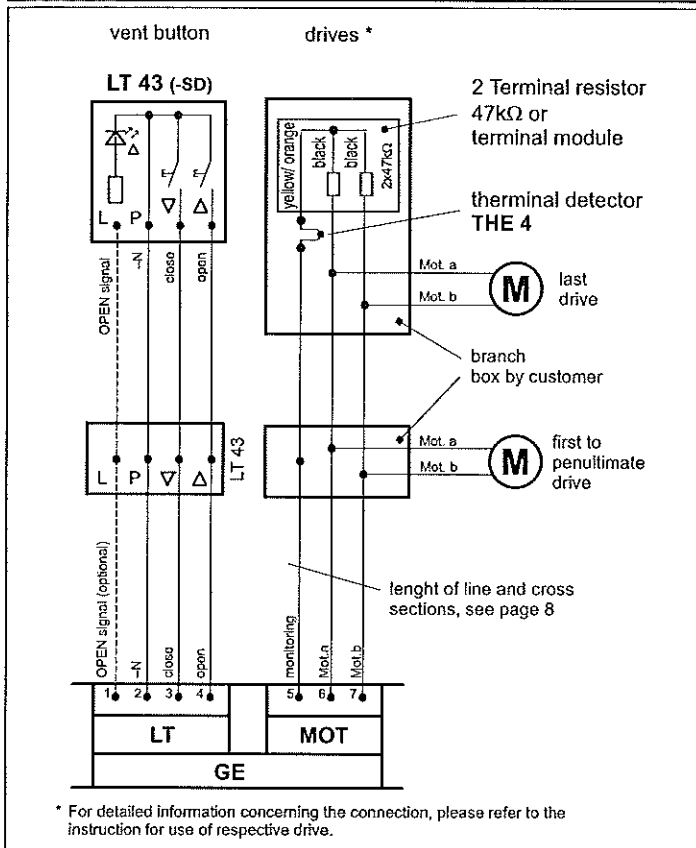


Group plug-in card GE 628 (-L) V2 (continuation)

Connection GE 628 (-L) V2



Cable for GE 628 (-L) V2

The smoke vent control panel is designed for opening smoke vent devices, which operate by thermal lifting and through automatic fire recognition devices (thermal detector, smoke detector). They are triggered either automatically or manually by smoke detectors at an early stage of a fire and remain in an opened position without further power consumption. In such a case, the functional retention of the electrical system is only required at the early stage of fire. Secured wiring with protection against mechanical damage is required in accordance with DIN 18232 Part 2.7.2.4.

Control cable (Group):

Cable from the Smoke and heat vent control panel to connect the drive. Drive lines have a monitoring wire in which fire recognition devices (thermal maximal detector e.g. THE) can be looped-in:

- standard guidelines for line systems MLAR or safety line with function retention ... E30, installed in accordance with DIN 4102*.

Cables through non-monitored areas:

An increased cable function retention time may be required when drive lines are installed through areas of the building which are not monitored.

- standard guidelines for line systems MLAR or safety line with function retention ... E90 installed in accordance with DIN 4102*.

* Please note: No type designation is given for these cables because of a large variety on the market. Please consult your D+H distributor about these.

! The earth conductor must not be wired !

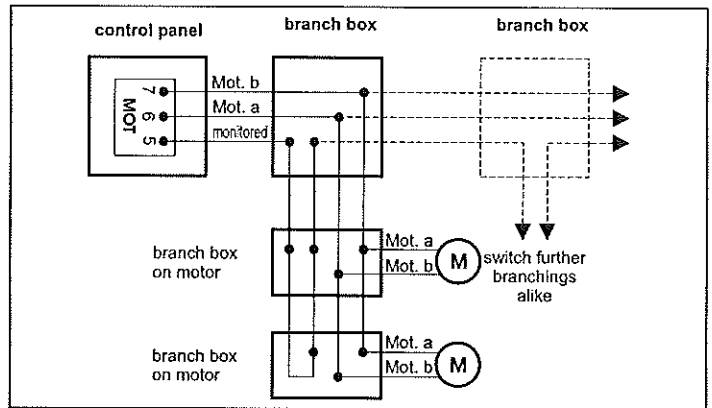
total consumption	1	2	3	4	5	6	7	8	9	10	A
3x1,5 mm ²	120	60	40	30	24	20	17	15	13	12	m
3x2,5 mm ²	200	100	65	50	40	33	28	25	22	20	m
*5x2,5 mm ²	400	200	130	100	80	65	56	50	44	40	m
**7x2,5 mm ²	600	300	200	150	120	100	85	75	67	60	m

$$\text{cross section (mm}^2\text{)} = \frac{\text{simple cable length (m)} \times \text{total current}}{80}$$

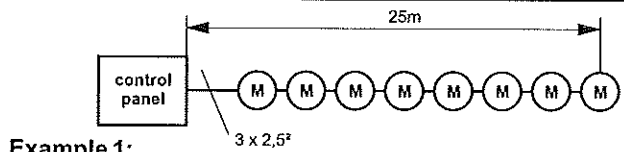
- * Connect in parallel 2 wires for each drive line.
- ** Connect in parallel 3 wires for each drive line.

Connection in case of line branch (GE 628 (-L) V2)

- Supply wires **Mot. a** and **Mot. b** branch off parallel
- **Monitoring** is looped through all the cables up to the group end.



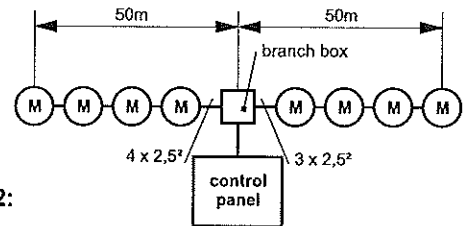
Connection examples (GE 628 (-L) V2)



Example 1:

1 line

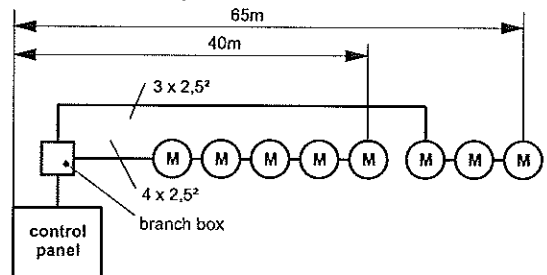
Simple wiring, however unfavourable for voltage drop:
All drives on one cable.



Example 2:

2 lines

Control panel in the centre, one side wired as branch, the other one as terminal line. 4 wires are required for each branch!

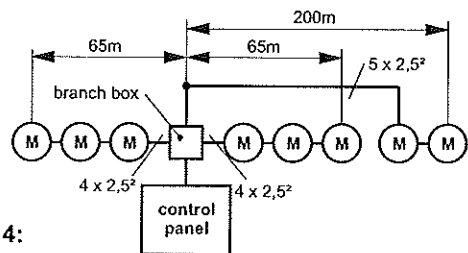


Example 3:

2 lines on one side

Branch and terminal line in same direction.

Number of drives varies in accordance with lengths of lines. 4 wires are required for each branch!



Example 4:

3 lines

Three cable runs are provided because of the very long distances:
2 cable runs with 3 drives each over 65 m line as branch and 1 cable run with 2 drives over 200 m line. 4 wires are required for each branch.