

## D400 EX Wiring

### Electrical connections



**DANGER – Risk of explosion (D400 only)**

It is prohibited to use the integrated communication interface (LKS) in an Ex area.

Never use the integrated communication interface (LKS) on the main board with a positioner that is being used in an explosion risk area.

1. Strip the wire by approx. 8 mm (0.32 inch).
2. To connect the signal lines, the emergency shutdown module and the proximity switches or microswitches, insert the wire ends from the left into the respective screw terminals and hand-tighten the screws (access from above). To connect a plug-in module, insert the wire ends from above in the appropriate screw terminals and hand-tighten the screws (access from the side).

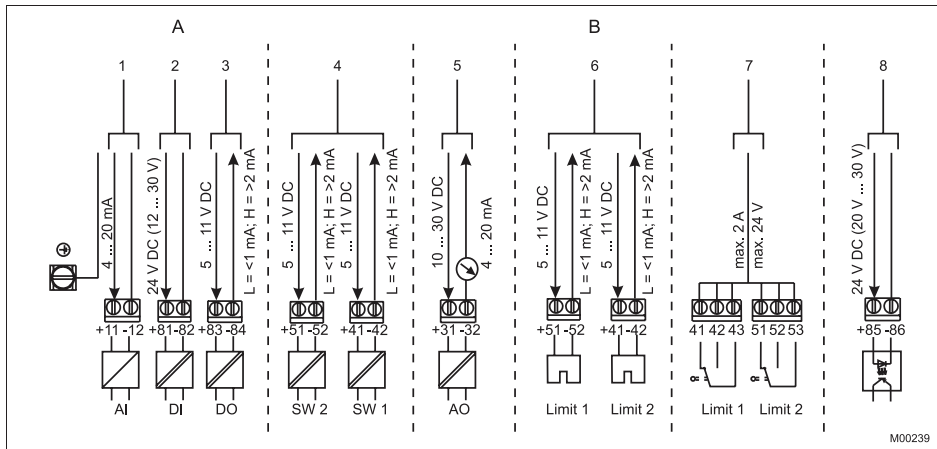


Fig. 16: Electrical connection

- A Basic model
- B Options

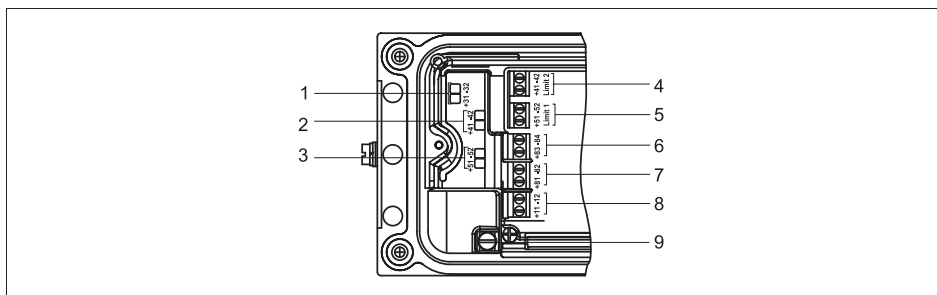
- 1 Analog input / Bus connector
- 2 Digital input <sup>1)</sup>
- 3 Digital output <sup>1)</sup>
- 4 Digital feedback <sup>1)</sup>
- 5 Analog feedback <sup>1)</sup>
- 6 Proximity switches
- 7 Microswitches
- 8 Emergency shutdown module

1) D400 only

### IMPORTANT (NOTE)

Keep cable shields as short as possible and connect on both sides.

### Screw terminal assignments



- 1 Module for analog position feedback <sup>1)</sup>
- 2 Module for digital feedback <sup>1)</sup> or service switch of emergency shutdown module
- 3 Module for digital position feedback <sup>1)</sup> or terminals of the shutdown module
- 4 Installation kit for digital position feedback, either proximity switches or 24 V microswitches
- 5 Same as 4
- 6 Digital output DO <sup>1)</sup>
- 7 Digital input DI <sup>1)</sup>
- 8 Signal 4...20 mA
- 9 Grounding screw

1) D400EX only