

AMIKON TECHNICAL DOCUMENTATION

Installation Instructions

Siemens 6ES7321-1BL00-0AA0

32-Channel Digital Input Module

MODULE	INPUTS	SIGNAL	CONNECTOR
SM 321	32 digital	24 V DC	40-pin

For qualified personnel only. Isolate the equipment and follow the complete manufacturer and site safety procedures. This reference does not replace the approved project design or the full installation manual.

01

PREPARATION AND WIRING CHECKS

- Use qualified personnel and follow the host-system installation and safety instructions.
- Match the 40-pin connector and four input bytes to the exact-model diagram.
- Preserve the two separate 16-channel potential groups and their reference connections.
- Check 24 V DC signal levels and keep two-wire sensor quiescent current within 1.5 mA.
- At horizontal 60 °C operation, limit simultaneously active inputs to sixteen.

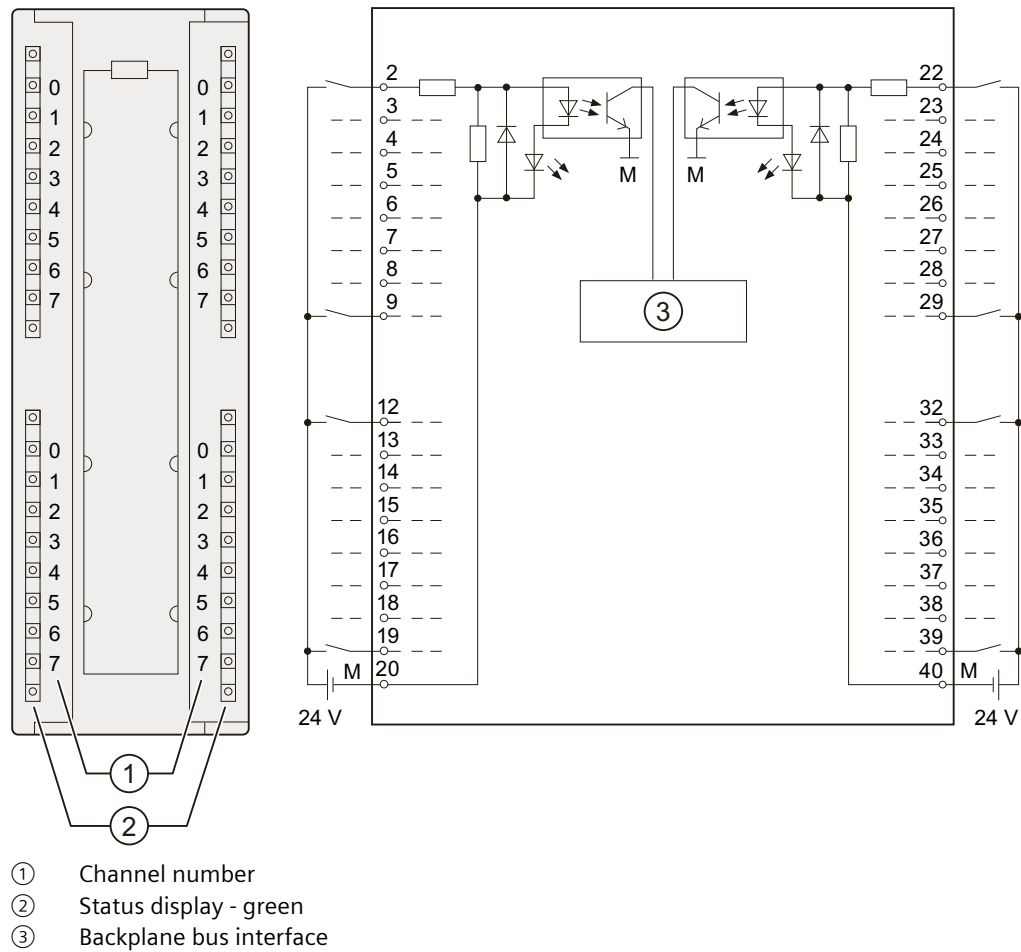
02

ORIGINAL WIRING REFERENCE

Original source PDF page 64. The following pages retain the original Siemens drawings and printed page numbers.

Manufacturer reference and original document context

Wiring and block diagram of SM 321; DI 32 x DC 24 V



Terminal assignment of SM 321; DI 32 x DC 24 V

The figure below shows how channels are assigned to addresses (input byte x up to input byte x+3).

