7.3 High-Speed Binary Input Module 07 EB 62 R1
24 V DC, 32 inputs, electrically isolated

Binary, isolated high-speed input module with 32 input channels for a rated voltage of 24 V DC. The device transforms the external process signals to the internal signal level of the PLC.

The signal states of the process signals are displayed by green LEDs. The 0V reference potential is separately connected to 8 channels at a time.

Technical Data

Number of inputs per module		32
Electrical isolation		in 4 groups of 8 inputs each, each group with separate reference potential ZP
Nominal insulation voltage, process terminals versus subrack, internal connections and other groups:	acc. VDE 0160	60 V AC
	tested with	500 V AC
Process supply voltage, rated value		24 V DC
upper limit		30 V DC
Input signal level:	signal 0	- 5 V...+ 5 V
	signal 1	- 30 V...- 15 V, + 15 V...+ 30 V
Input resistance		approx. 4.7 kΩ
Input current if UP1 = 24 V DC		approx. 5 mA
Input signal delay signal edge 0 → 1		min. 0.1 ms max. 1.0 ms
signal edge 1 → 0		min. 0.4 ms max. 1.0 ms
Supply current from internal voltages UB1 = 5 V DC		max. 0.15 A
UB4 = 24 V DC		no current consumption
Power dissipation		max. 6.4 W
Cable length, if cables have been laid parallel in cable duct:	shielded	max. 1000 m
	unshielded	max. 600 m
Conductor cross section of process terminals		max. 1.5 mm^2
Signalling of the input signals		one green LED per channel
Number of required slots		1 I/O slot
Number of occupied I/O points		32
Configuration identifier in 907 PC 32		E32

Ability of fitting in subracks

	BT			BE-central			BE-remote		
slots, ● = plug-in is possible	NG	ZE	I/O	NG	BV	I/O	NG	BV	I/O
			●			●			●

Weight	380 g
Order number	GJV3074342R1

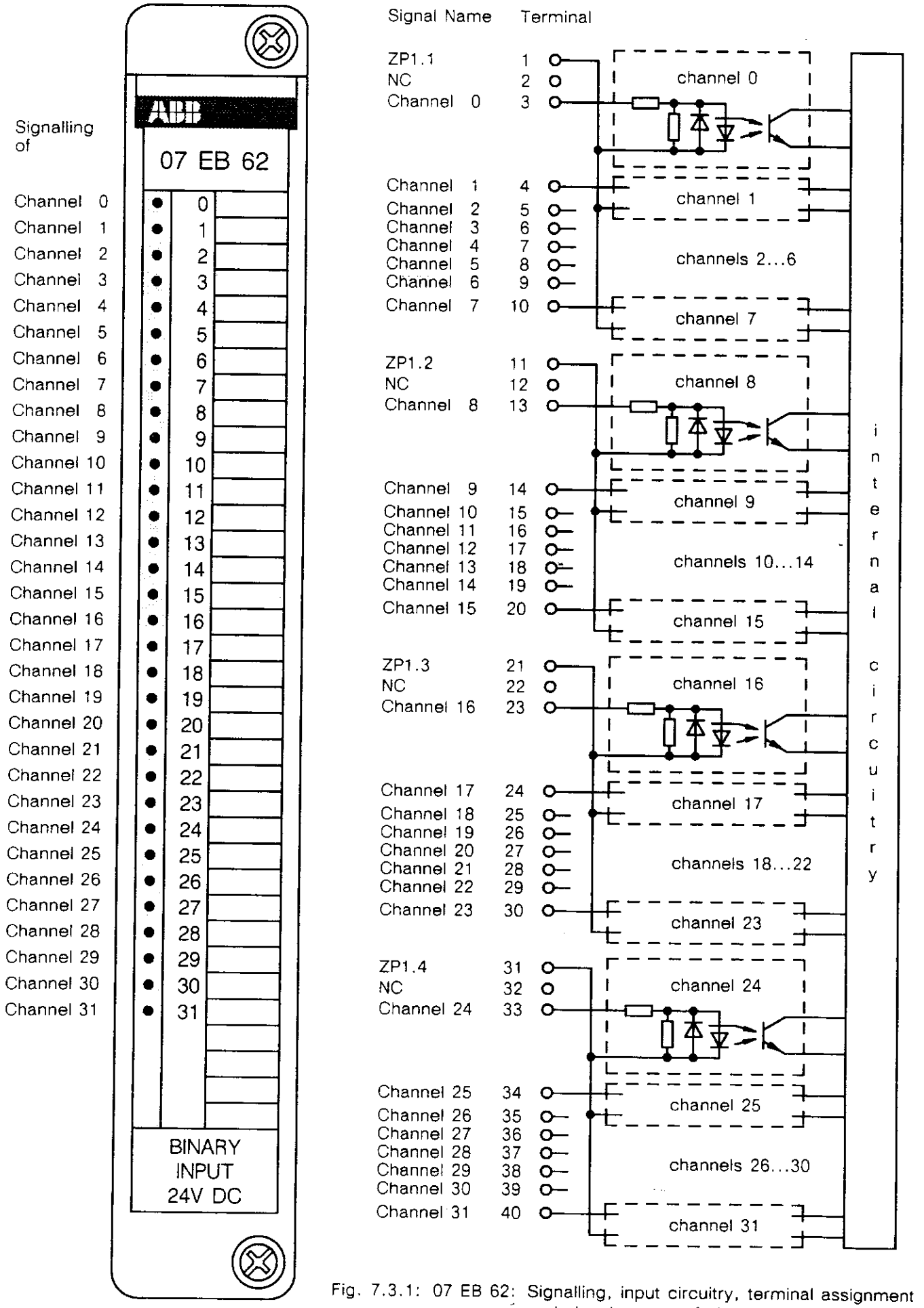

Fig. 7.3.1: 07 EB 62: Signalling, input circuitry, terminal assignment and signal names of channels

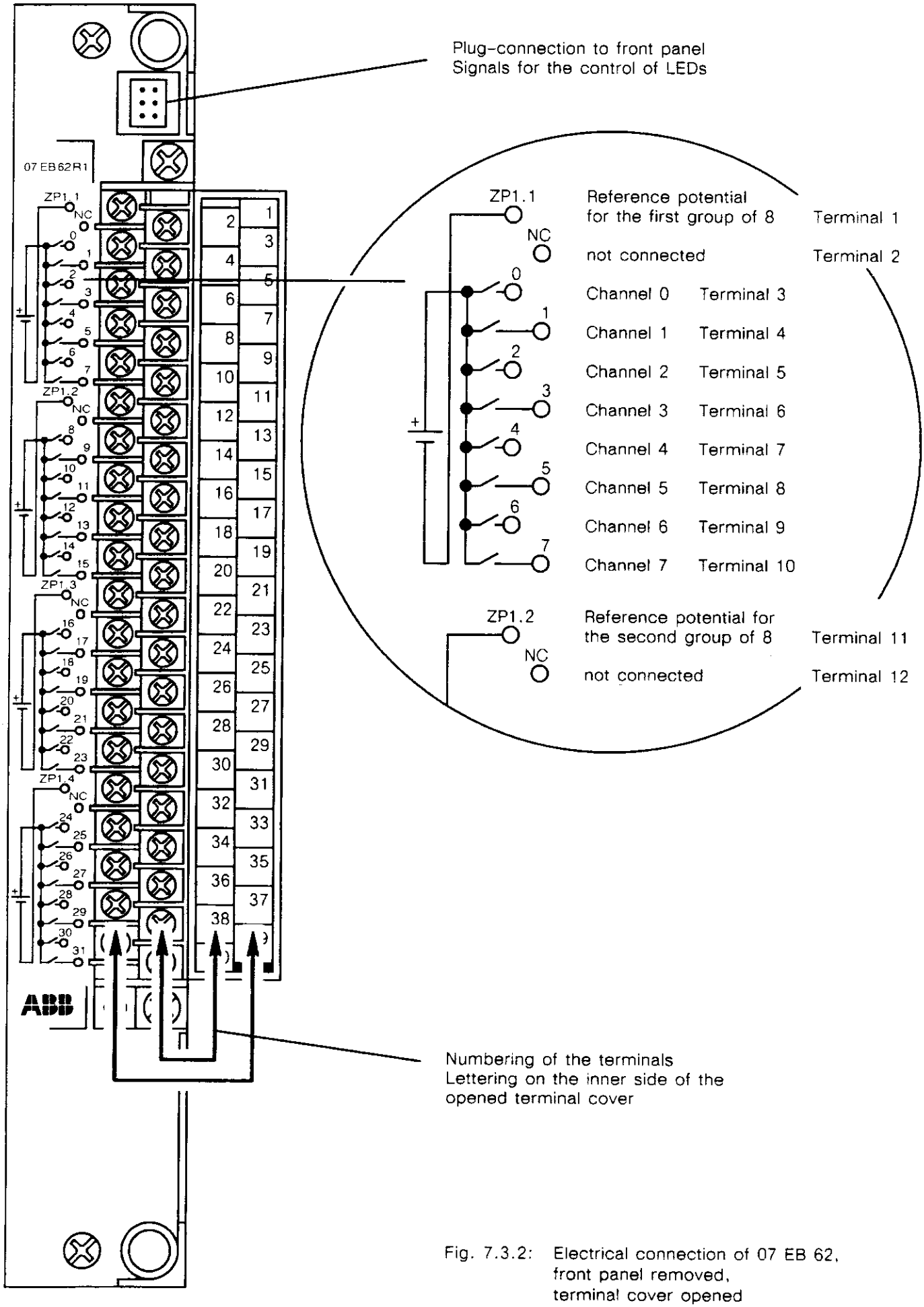

Fig. 7.3.2: Electrical connection of 07 EB 62, front panel removed, terminal cover opened