

# SIEMENS SIM S7/300 and SIM S7/400

Front adapters SIM S7/300 and SIM S7/400 are contacted quickly and safely to the input and output modules of Siemens Simatic® S7-300 and S7-400 controllers.

Pre-assembled control leads with 10- or 40-pole socket connectors to IEC 603-1/DIN 41651 connect the PLC input/output groups to the passive and active interface units of the PLC system interface.

Electrical isolation of the power supply is accomplished by means of plug-in cross connection on PLC adapters and input/output modules with the following options:

- 1 x 32 signals
- 2 x 16 signals
- 4 x 8 signals

There are two options for the power feed to PLC I/O cards:

- Direct feed on the front adapter via screw terminals
- Feed via passive/active components by means of pre-assembled control wire (max. 1A/byte)

For the 32-bit PLC components, there is a choice of front adapters with four 10-pole < 4 x 1 byte structure or 40-pole control lead < 1 x 4 byte structure. This enables fast, cost-efficient installation and allows wiring mistakes to be minimised and commissioning times to be reduced.

## Pole configuration

Front adapter	SIM S7/300...KONV		SIM S7/400...KONV	
	Socket	1 x 40 poles	4 x 10 poles	1 x 40 poles
Pin 1	X 1.9 B0+	X 1.32 B0+		
Pin 2	X 1.1	X 1.40		
Pin 3	X 1.2	X 1.39	X 1.9 B0+	X 1.32 B0+
Pin 4	X 1.3	X 1.38	X 1.1	X 1.40
Pin 5	X 1.4	X 1.37	X 1.2	X 1.39
Pin 6	X 1.5	X 1.36	X 1.3	X 1.38
Pin 7	X 1.6	X 1.35	X 1.4	X 1.37
Pin 8	X 1.7	X 1.34	X 1.5	X 1.36
Pin 9	X 1.8	X 1.33	X 1.6	X 1.35
Pin 10	X 1.10 B0-	X 1.31 B0-	X 1.7	X 1.34
Pin 11	X 2.9 B1+	X 1.22 B1+	X 1.8	X 1.33
Pin 12	X 2.1	X 1.30		
Pin 13	X 2.2	X 1.29		
Pin 14	X 2.3	X 1.28	X 2.9 B1+	X 1.22 B1+
Pin 15	X 2.4	X 1.27	X 2.1	X 1.30
Pin 16	X 2.5	X 1.26	X 2.2	X 1.29
Pin 17	X 2.6	X 1.25	X 2.3	X 1.28
Pin 18	X 2.7	X 1.24	X 2.4	X 1.27
Pin 19	X 2.8	X 1.23	X 2.5	X 1.26
Pin 20	X 2.10 B1-	X 1.21 B1-	X 2.6	X 1.25
Pin 21	X 3.9 B2+	X 1.12 B2+	X 2.7	X 1.24
Pin 22	X 3.1	X 1.20	X 2.8	X 1.23
Pin 23	X 3.2	X 1.19		
Pin 24	X 3.3	X 1.18		
Pin 25	X 3.4	X 1.17		
Pin 26	X 3.5	X 1.16	X 3.9 B2+	X 1.12 B2+
Pin 27	X 3.6	X 1.15	X 3.1	X 1.20
Pin 28	X 3.7	X 1.14	X 3.2	X 1.19
Pin 29	X 3.8	X 1.13	X 3.3	X 1.18
Pin 30	X 3.10 B2-	X 1.11 B2-	X 3.4	X 1.17
Pin 31	X 4.9 B3+	X 1.2 B3+	X 3.5	X 1.16
Pin 32	X 4.1	X 1.10	X 3.6	X 1.15
Pin 33	X 4.2	X 1.9	X 3.7	X 1.14
Pin 34	X 4.3	X 1.8	X 3.8	X 1.13
Pin 35	X 4.4	X 1.7		
Pin 36	X 4.5	X 1.6		
Pin 37	X 4.6	X 1.5		
Pin 38	X 4.7	X 1.4	X 4.9 B3+	X 1.2 B3+
Pin 39	X 4.8	X 1.3	X 4.1	X 1.10
Pin 40	X 4.10 B3-	X 1.1 B3-	X 4.2	X 1.9
Pin 41			X 4.3	X 1.8
Pin 42			X 4.4	X 1.7
Pin 43			X 4.5	X 1.6
Pin 44			X 4.6	X 1.5
Pin 45			X 4.7	X 1.4
Pin 46			X 4.8	X 1.3
Pin 47				
Pin 48			X 1.10 B0-	X 1.11 B0-
Pin 48			X 2.10 B1-	X 1.21 B1-
Pin 48			X 3.10 B2-	X 1.31 B2-
Pin 48			X 4.10 B3-	X 1.1 B3-
Plug-in cross connectors				
	B0+/B1+		B0+/B1+	
	B1+/B2+		B1+/B2+	
	B2+/B3+		B2+/B3+	
	B0-/B1-			
	B1-/B2-			
	B2-/B3-			

## PLC front adapter for SIEMENS S7

### PLC front adapter for SIEMENS S7

- Pre-assembled control cable
- Control cable 1x40- or 4x10 pole in 4 standard lengths
- Separate feeding of the supply voltage via screw connection terminals
- Outstanding cross connectability using ZQV system
- Versatile accessories
- Inexpensive coupling of the interface modules

### Front adapter for SIEMENS S7 300 E/A-modules

Digital input:

S7/300 6ES7 321-1BL00-0AA0, 32DI

Digital output :

S7/300 6ES7 322-1BL00-0AA0, 32DO

Digital input/output:

S7/300 6ES7 323-1BL00-0AA0, 16DI/16DO

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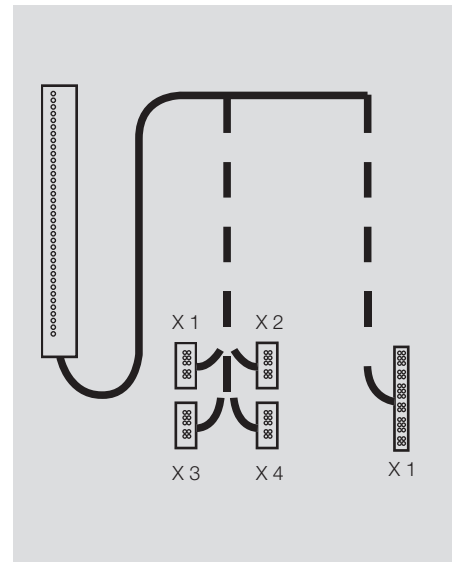
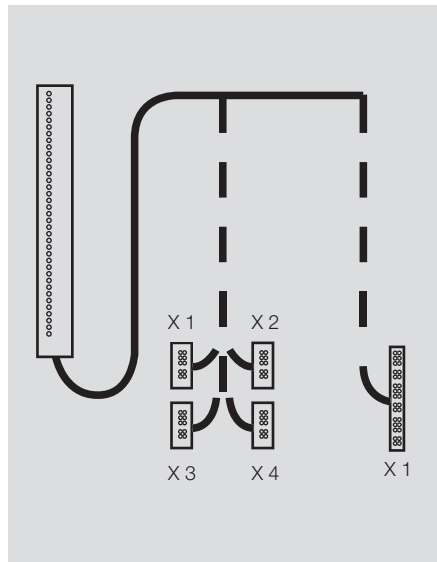
### SIEMENS S7/300 1 x 4 Byte

#### Simatic S7/300 1x4 Byte



### SIEMENS S7/300 4 x 1 Byte

#### Simatic S7/300 4x1Byte



### Technical data

#### Connection data

Connection on process side  
Type of connection

Design

Configuration of single conductor  
Connection system, supply voltage/other connections

#### Rated data

Number of signals  
Rated voltage  
Rated current per connection  
Current-carrying capacity/ cable 10-pole/Line, 40-pole  
Voltage supply/Byte discon.  
Total current feed, max.

#### Dimensions

Clamping range (rating- / min. / max.) mm<sup>2</sup>  
Length x width x height mm

#### Note

SIEMENS front panel housing

1x40-pole pre-assembled cable with IEC603/1 plug-in connector

1x40-pole pre-assembled cable with female connector

7-core control line AWG 26/7

PCB screw connection terminals

32 / 1x4 byte

60 V AC/ 75 V DC

1 A

/26 A/ dT = 20 K

yes

16 A

115 x 22 x 32

SIEMENS front panel housing

4 x 10-pole pre-assembled cable with IEC603/1 plug-in connector

4x10-pole pre-assembled cable with 10-pole female connector

7-core control line AWG 26/7

PCB screw connection terminals

32 / 4x1 byte

60 V AC/ 75 V DC

1 A

11.5 A/ dT = 20 K /

yes

16 A

115 x 22 x 32

### Ordering data

2 m control line  
2.5 m control line  
3 m control line  
5 m control line

#### Note

Type	Qty.	Order No.
SIM S7/300 FB40 2.0M	1	8433290200
SIM S7/300 FB40 2.5M	1	8433290250
SIM S7/300 FB40 3.0M	1	8433290300
SIM S7/300 FB40 5.0M	1	8433290500

Type	Qty.	Order No.
SIM S7/300 FB4*10 2.0M	1	8433310200
SIM S7/300 FB4*10 2.5M	1	8433310250
SIM S7/300 FB4*10 3.0M	1	8433310300
SIM S7/300 FB4*10 5.0M	1	8433310500

**PLC front adapter for SIEMENS S7**

- Pre-assembled control cable
- 1x40-pole or 4x10-pole cables in 4 standard lengths
- Separate feeding of supply voltage via screw connection terminals
- Outstanding cross connectability using ZQV system
- Versatile system accessories
- Inexpensive coupling of interface modules

**Front adapter for SIEMENS S7 400 I/O modules**

Digital input:

S7/400 6ES7 421-1BL00-0AA0, 32DI

Digital output:

S7/400 6ES7 422-1BL00-0AA0, 32DO

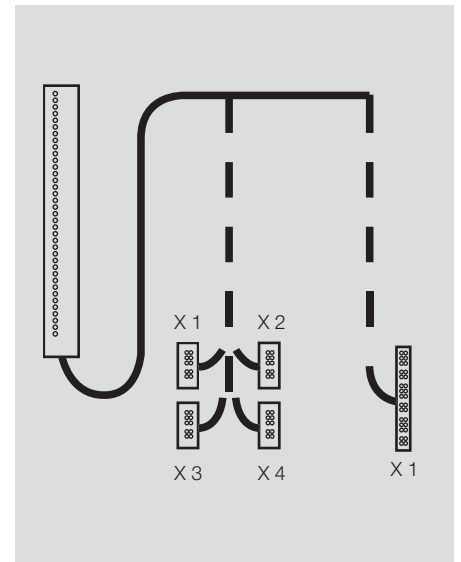
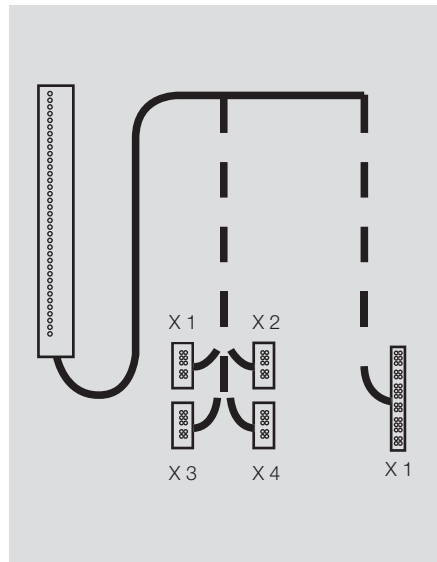
**SIEMENS S7/400 1x 4 Byte**

Simatic S7/400 1x4Byte



**SIEMENS S7/400 4 x 1 Byte**

Simatic S7/400 4x1Byte



**Technical data**

Connection data	
Connection on process side	
Type of connection	
Design	
Configuration of single conductor	
Connection system, supply voltage/other connections	
Rated data	
Number of signals	
Rated voltage	
Rated current per connection	
Current-carrying capacity/ cable 10-pole/Line, 40-pole	
Voltage supply/Byte discon.	
Total current feed, max.	
Dimensions	
Clamping range (rating- / min. / max.)	mm <sup>2</sup>
Length x width x height	mm
Note	

SIEMENS front panel housing
1x40-pole pre-assembled cable with IEC603/1 plug-in connector
1x40-pole pre-assembled cable with female connector
7-core control line AWG 26/7
PCB screw connection terminals
32 / 1x4 byte
60 V AC/ 75 V DC
1 A
/26 A/ dT = 20 K
yes
16 A
274 x 19 x 55

SIEMENS front panel housing
4 x 10-pole pre-assembled cable with IEC603/1 plug-in connector
4x10-pole pre-assembled cable with 10-pole female connector
7-core control line AWG 26/7
PCB screw connection terminals
32 / 4x1 byte
60 V AC/ 75 V DC
1 A
11.5 A/ dT = 20 K /
yes
16 A
274 x 19 x 55

**Ordering data**

2 m control line	
2.5 m control line	
3 m control line	
5 m control line	
Note	

Type	Qty.	Order No.
SIM S7/400 FB40 2.0M	1	8335900200
SIM S7/400 FB40 2.5M	1	8335900250
SIM S7/400 FB40 3.0M	1	8335900300
SIM S7/400 FB40 5.0M	1	8335900500

Type	Qty.	Order No.
SIM S7/400 FB4*10 2.0M	1	8335910200
SIM S7/400 FB4*10 2.5M	1	8335910250
SIM S7/400 FB4*10 3.0M	1	8335910300
SIM S7/400 FB4*10 5.0M	1	8335910500