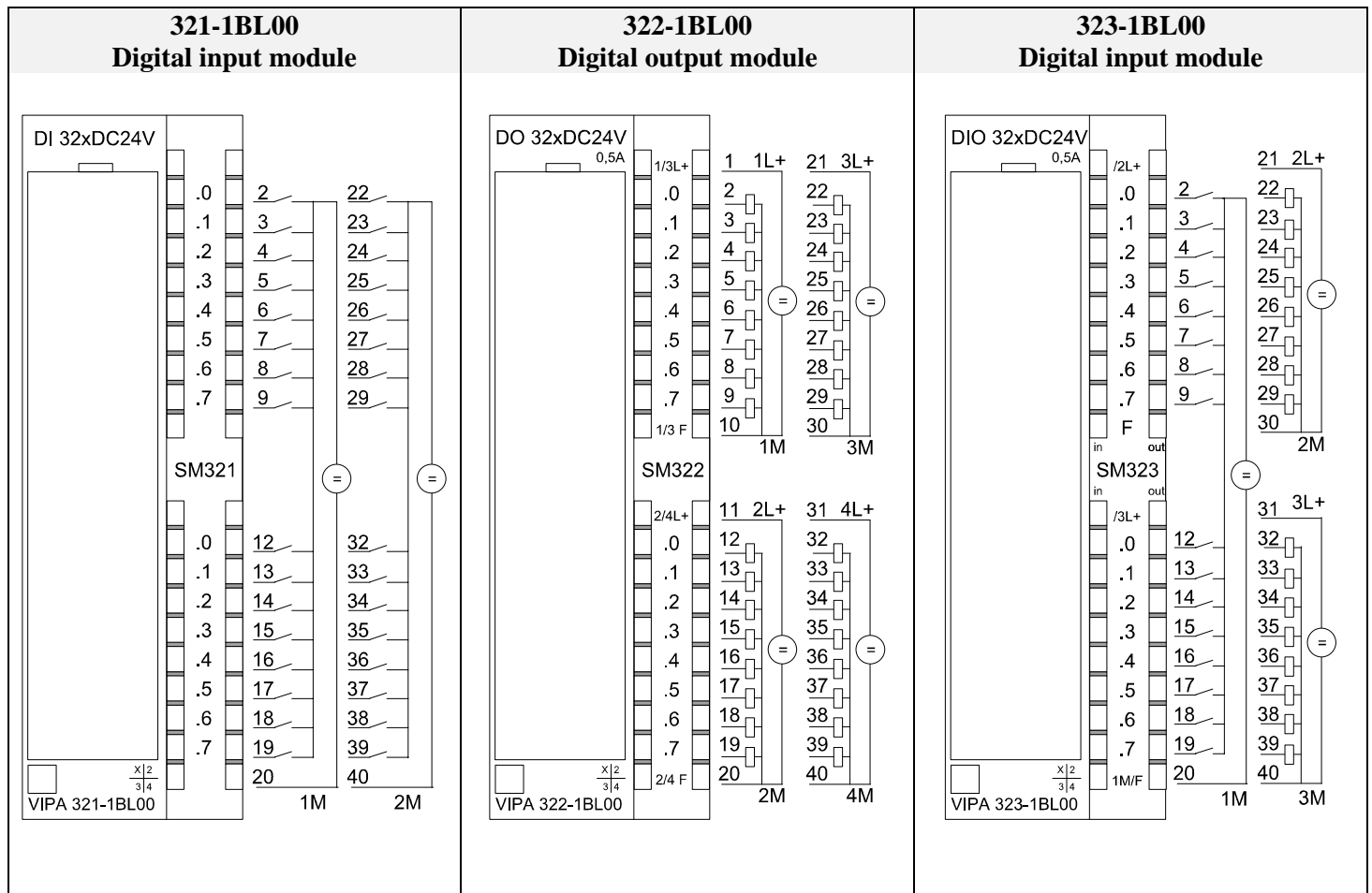


# Technical Description

## Digital 32-channel In/Output System for S7-300 from Siemens

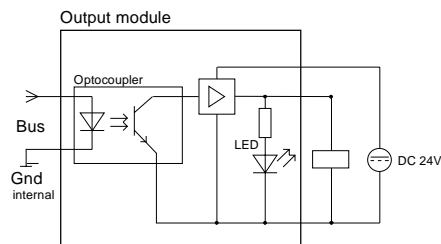
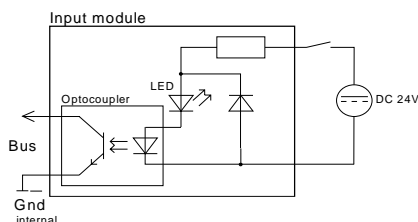
Order.-Nr.: VIPA -HB36-3E  
Rev. 99/49

### Technical Data



# Technical Data

	<b>321-1BL00</b> digital 32-channel input module	<b>322-1BL00</b> digital 32-channel output module	<b>323-1BL00</b> digital 32-channel in/output module
Number of inputs:	32	—	16
Number of outputs:	—	32	16
Potential separation:	yes	yes	yes
<b>Inputs</b>			
in groups up to:	16	—	16
Input voltage:			
- nominal value:	24 V DC	—	24 V DC
- for signal "0":	0...5 V	—	0...5 V
- for signal "1":	15...30 V	—	15...30 V
Current at Signal "1":	7 mA	—	7 mA
Time delay:	3 ms	—	3 ms
2-wire BERO perm. quiescent current:	1,5 mA		1,5 mA
simultaneous controllable inputs:	horizontal design 32/16 (40°C/60°C) vertical design 32 (40°C)		horizontal design 16/8 (40°C/60°C) vertical design 16 (40°C)
<b>Outputs</b>			
In groups up to:	—	8 (supply and potential separation)	8 (supply and potential separation)
power supply voltage:			
- nominal value:	—	24V DC	24V DC
- permissible:	—	20,4...28,8 V DC	20,4...28,8 V DC
Output current:			
- nominal value:	—	0,5 A	0,5 A
- permissible:	—	max. 1,2 A	max. 1,2 A
- net current of each group:	—	horizontal design 4/3/2A (20/40/60 °C) vertical design 2A (40°C)	horizontal design 4/3/2A (20/40/60 °C) vertical design 2A (40°C)
- lamp load max.:	—	5 W	5 W
Status display:	green LEDs per channel for signal "1"	green LEDs per channel for signal "1" yellow LED for power supply voltage red LED for overload or short circuit	green LEDs per channel for signal "1" yellow LED for power supply voltage red LED for overload or short circuit
Diagnosis:	—		
<b>Configuring:</b>			
Type:	as 321-1BH00 Inputs	as 322-1BH00 Outputs	as 323-1BL00 In-/Outputs
Length:	4	4	2/2
Format:	Byte	Byte	Byte 2 Byte Input / 2 Byte Output
<b>General</b>			
Power supply:	5V via backplane bus	5V via backplane bus	5V via backplane bus
Current consumption:			
- Backplane bus:	max. 35 mA	max. 200 mA	max. 130 mA
- L+ without load:	—	30 mA	30 mA
Power loss:	5,5 W	6 W	5,8 W
Dimensions (BxHxT):	40x125x120 mm	40x125x120 mm	40x125x120 mm
Weight:	200 g	200 g	200 g
Circuit diagram:	Input range:	Output range:	



Hint:



**The voltage on an output pin must never be more than the actual voltage on the L+!  
Ignoring this advice can lead to the destruction of the module!**