

Sommario



The electrical features are given in paragraph [Electrical features](#).
The wiring examples are given in paragraph [Connection examples](#)

CN15	Terminal	Symbol	Description	Address
	1A		Internal bridge 1A -1B ¹⁾	
	2A	PHA1	Phase A	Count 1 PNP Push-Pull ²⁾
	3A	PHB1	Phase B	
	4A	Z1	Z	3.INP33 3.INP34 3.CNT01
	5A	0V	Common for count inputs	1.INT01
	6A	0V		
	7A	0V		
	1B		Internal bridge 1A -1B ³⁾	
	2B	PHA1+	+ PHA	Count 1 Line Driver
	3B	PHB1+	+ PHB	
	4B	Z1+	+ Z	3.INP33 3.INP34 3.CNT01 1.INT01
	5B	PHA1-	- PHA	
	6B	PHB1-	- PHB	
	7B	Z1-	- Z	

^{1), 3)} Used to power the encoder. See [Connection examples](#).

²⁾ **PNP/Push-Pull type count input configuration:**

Terminal 5B: connect to terminal 5A

Terminal 6B: connect to terminal 6A

Terminal 7B: connect to terminal 7A

CN16	Terminal	Symbol	Description	Address
	1A		Internal bridge 1A -1B ¹⁾	
	2A	PHA2	Phase A	Count 2 PNP Push-Pull ²⁾
	3A	PHB2	Phase B	
	4A	Z2	Z	3.INP35 3.INP36 3.CNT02
	5A	0V	Common for count inputs	1.INT02
	6A	0V		
	7A	0V		
	1B		Internal bridge 1A -1B ³⁾	
	2B	PHA2+	+ PHA	Count 2 Line Driver
	3B	PHB2+	+ PHB	
	4B	Z2+	+ Z	3.INP35 3.INP36 3.CNT02 1.INT02
	5B	PHA2-	- PHA	
	6B	PHB2-	- PHB	
	7B	Z2-	- Z	

^{1), 3)} Used to power the encoder. See [Connection examples](#).

²⁾ **PNP/Push-Pull type count input configuration:**

Terminal 5B: connect to terminal 5A

Terminal 6B: connect to terminal 6A

Terminal 7B: connect to terminal 7A

CN17	Terminal	Symbol	Description	Address
	1A		Internal bridge 1A -1B ¹⁾	
	2A	PHA3	Phase A	Count 3 PNP Push-Pull ²⁾
	3A	PHB3	Phase B	
	4A	Z3	Z	3.INP37 3.INP38 3.CNT03
	5A	0V	Common for count inputs	1.INT03
	6A	0V		
	7A	0V		
	1B		Internal bridge 1A -1B ³⁾	
	2B	PHA3+	+ PHA	Count 3 Line Driver
	3B	PHB3+	+ PHB	
	4B	Z3+	+ Z	3.INP37 3.INP38 3.CNT03 1.INT03
	5B	PHA3-	- PHA	
	6B	PHB3-	- PHB	
	7B	Z3-	- Z	

^{1), 3)} Used to power the encoder. See [Connection examples](#).

²⁾ **PNP/Push-Pull type count input configuration:**

Terminal 5B: connect to terminal 5A

Terminal 6B: connect to terminal 6A

Terminal 7B: connect to terminal 7A

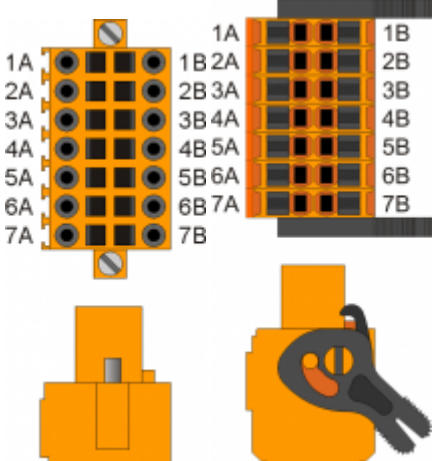
CN18		Terminal	Symbol	Description	Address	
	1A		Internal bridge 1A -1B ¹⁾			
	2A	PHA4	Phase A	Count 4 PNP Push-Pull ²⁾	3.INP39	3.CNT04
	3A	PHB4	Phase B		3.INP40	
	4A	Z4	Z	1.INT04		
	5A	0V	Common for count inputs			
	6A	0V				
	7A	0V				
	1B		Internal bridge 1A -1B ³⁾			
	2B	PHA4+	+ PHA	Count 4 Line Driver	3.INP39	3.CNT04
	3B	PHB4+	+ PHB		3.INP40	
	4B	Z4+	+ Z		1.INT04	
	5B	PHA4-	- PHA			
	6B	PHB4-	- PHB			
	7B	Z4-	- Z			

^{1), 3)} Used to power the encoder. See [Connection examples](#).²⁾ PNP/Push-Pull type count input configuration:

Terminal 5B: connect to terminal 5A

Terminal 6B: connect to terminal 6A

Terminal 7B: connect to terminal 7A

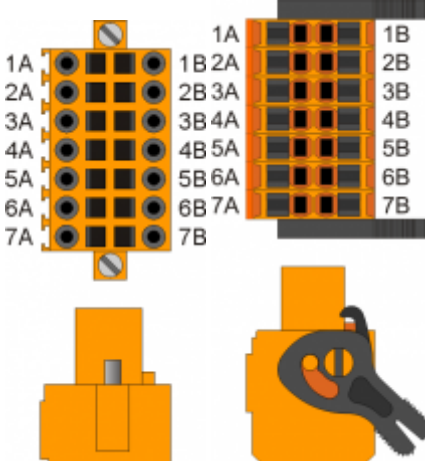
CN19		Terminal	Symbol	Description	Address	
	1A		Internal bridge 1A -1B ¹⁾			
	2A	PHA5	Phase A	Count 5 PNP Push-Pull ²⁾	3.INP41	3.CNT05
	3A	PHB5	Phase B		3.INP42	
	4A	Z5	Z	1.INT05		
	5A	0V	Common for count inputs			
	6A	0V				
	7A	0V				
	1B		Internal bridge 1A -1B ³⁾			
	2B	PHA5+	+ PHA	Count 5 Line Driver	3.INP41	3.CNT05
	3B	PHB5+	+ PHB		3.INP42	
	4B	Z5+	+ Z		1.INT05	
	5B	PHA5-	- PHA			
	6B	PHB5-	- PHB			
	7B	Z5-	- Z			

^{1), 3)} Used to power the encoder. See [Connection examples](#).²⁾ PNP/Push-Pull type count input configuration:

Terminal 5B: connect to terminal 5A

Terminal 6B: connect to terminal 6A

Terminal 7B: connect to terminal 7A

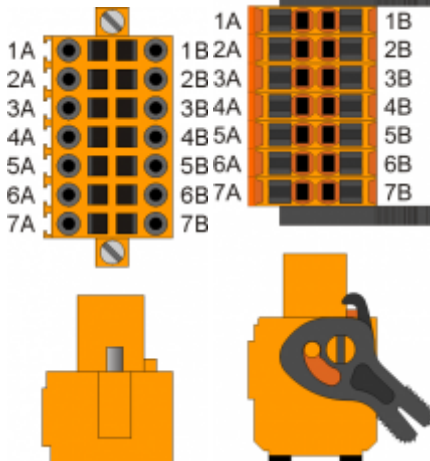
CN20		Terminal	Symbol	Description	Address	
	1A		Internal bridge 1A -1B ¹⁾			
	2A	PHA6	Phase A	Count 6 PNP Push-Pull ²⁾	3.INP43	3.CNT06
	3A	PHB6	Phase B		3.INP44	
	4A	Z6	Z	1.INT06		
	5A	0V	Common for count inputs			
	6A	0V				
	7A	0V				
	1B		Internal bridge 1A -1B ³⁾			
	2B	PHA6+	+ PHA	Count 6 Line Driver	3.INP43	3.CNT06
	3B	PHB6+	+ PHB		3.INP44	
	4B	Z6+	+ Z		1.INT06	
	5B	PHA6-	- PHA			
	6B	PHB6-	- PHB			
	7B	Z6-	- Z			

^{1), 3)} Used to power the encoder. See [Connection examples](#).²⁾ PNP/Push-Pull type count input configuration:

Terminal 5B: connect to terminal 5A

Terminal 6B: connect to terminal 6A

Terminal 7B: connect to terminal 7A

CN21	Terminal	Symbol	Description	Address
	1A		Internal bridge 1A -1B ¹⁾	
	2A	PHA7	Phase A	3.INP45
	3A	PHB7	Phase B	3.INP46
	4A	Z7	Z	3.CNT07
	5A	0V	Common for count inputs	1.INT07
	6A	0V		
	7A	0V		
	1B		Internal bridge 1A -1B ³⁾	
	2B	PHA7+	+ PHA	3.INP45
	3B	PHB7+	+ PHB	3.INP46
	4B	Z7+	+ Z	1.INT07
	5B	PHA7-	- PHA	
	6B	PHB7-	- PHB	
	7B	Z7-	- Z	

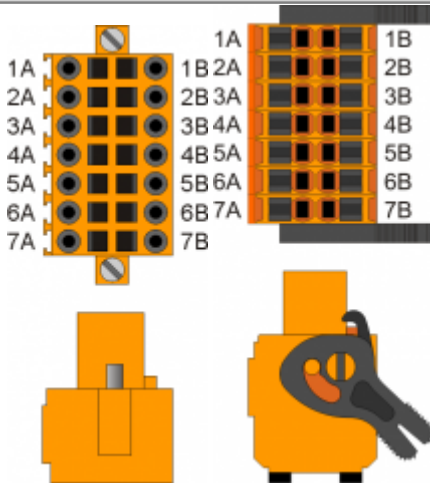
^{1), 3)} Used to power the encoder. See [Connection examples](#).

²⁾ **PNP/Push-Pull type count input configuration:**

Terminal 5B: connect to terminal 5A

Terminal 6B: connect to terminal 6A

Terminal 7B: connect to terminal 7A

CN22	Terminal	Symbol	Description	Address
	1A		Internal bridge 1A -1B ¹⁾	
	2A	PHA8	Phase A	3.INP47
	3A	PHB8	Phase B	3.INP48
	4A	Z8	Z	3.CNT08
	5A	0V	Common for count inputs	1.INT08
	6A	0V		
	7A	0V		
	1B		Internal bridge 1A -1B ³⁾	
	2B	PHA8+	+ PHA	3.INP47
	3B	PHB8+	+ PHB	3.INP48
	4B	Z8+	+ Z	1.INT08
	5B	PHA8-	- PHA	
	6B	PHB8-	- PHB	
	7B	Z8-	- Z	

^{1), 3)} Used to power the encoder. See [Connection examples](#).

²⁾ **PNP/Push-Pull type count input configuration:**

Terminal 5B: connect to terminal 5A

Terminal 6B: connect to terminal 6A

Terminal 7B: connect to terminal 7A

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