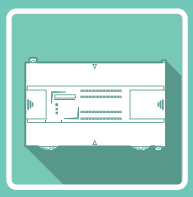

XBC/XEC H

High Performance

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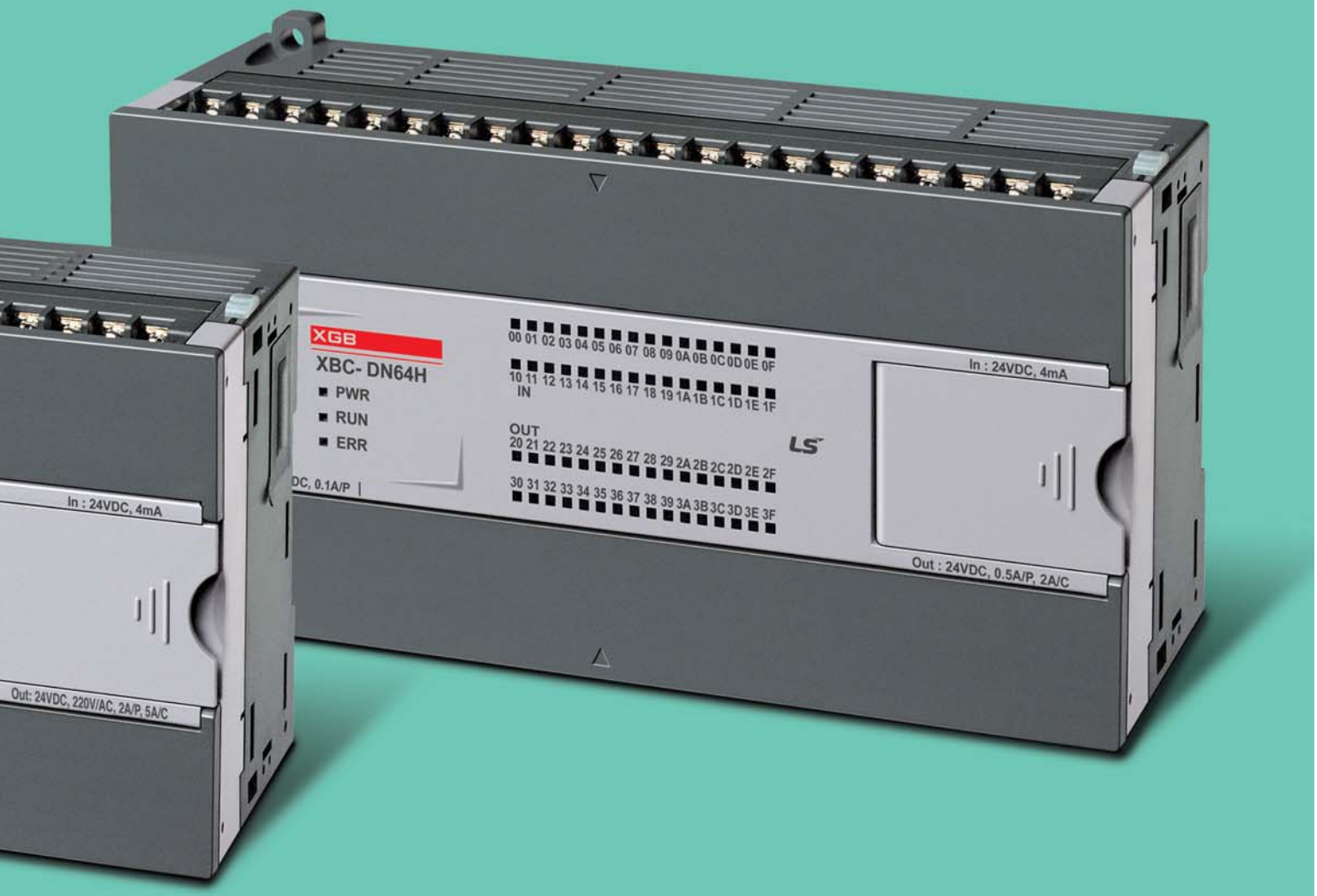

XGB
XBC- DN64H
PWR
RUN
ERR
00 01 02 03 04 05 06 07 08 09 0A 0B 0C 0D 0E 0F
10 11 12 13 14 15 16 17 18 19 1A 1B 1C 1D 1E 1F
IN
OUT
20 21 22 23 24 25 26 27 28 29 2A 2B 2C 2D 2E 2F
30 31 32 33 34 35 36 37 38 39 3A 3B 3C 3D 3E 3F
In : 24VDC, 4mA
Out : 24VDC, 0.5A/P, 2A/C
In : 24VDC, 4mA
Out: 24VDC, 220V/AC, 2A/P, 5A/C

High performance type

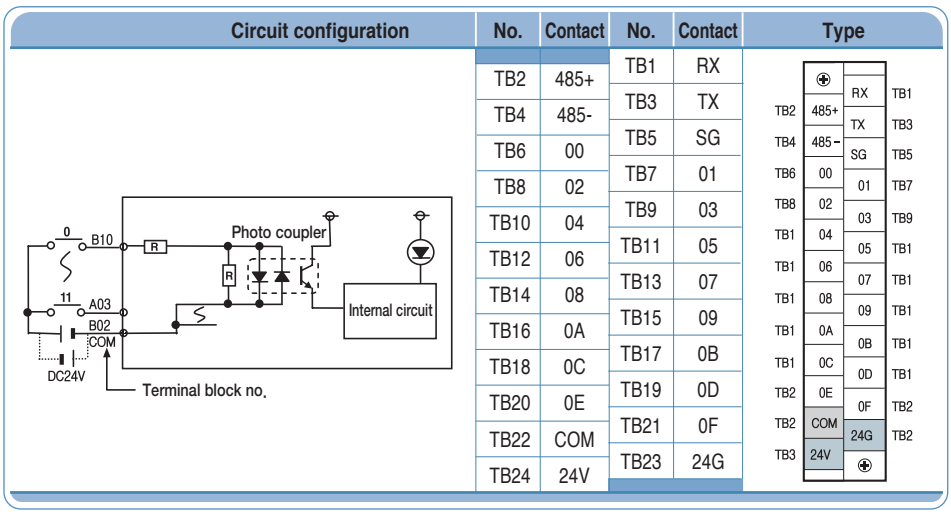
Performance specifications

Item	XBC/XEC-DR32H XBC-DR32H/DC*1) XEC-DR32H/DI	XBC/XEC-DN32H XEC-DP32H*1) XBC-DN32H/DC	XBC/XEC-DR64H XBC-DR64H/DC*1) XEC-DR64H/DI	XBC/XEC-DN64H XEC-DP64H*1) XBC-DN64H/DC
Control method	Repetitive, cyclic, interrupt, constant scan			
I/O control method	Refresh mode (Batch processing by scan synchronization), Direct mode by instruction			
Programming language	Ladder diagram or IEC standard (LD, SFC, ST)*1)			
Processing speed	83 ns / Step			
Program capacity	15Kstep (IEC type: 200KB)			
Main unit I/O points	32 (Input:16, Output:16)	32 (Input:16, Output:16)	64 (Input: 32, Output: 32)	64 (Input: 32, Output: 32)
Max. I/O points (Main + Expansion 10 stages)	352 points		384 points	
Total program	128			
Operation mode	RUN, STOP, DEBUG			
Self diagnosis	Detects errors of scan time, memory error, I/O error, battery error, power error, etc.			
Program port	USB (Rev 1.1), RS-232C 1 channel (Loader)			
Retain data at power failure	Latch area setting at basic parameter			
Built-in functions	RS-232C / RS-485 (2 ch), Pulse catch, Input filter, External interrupt, PID control, High-speed counter, Positioning, RTC			

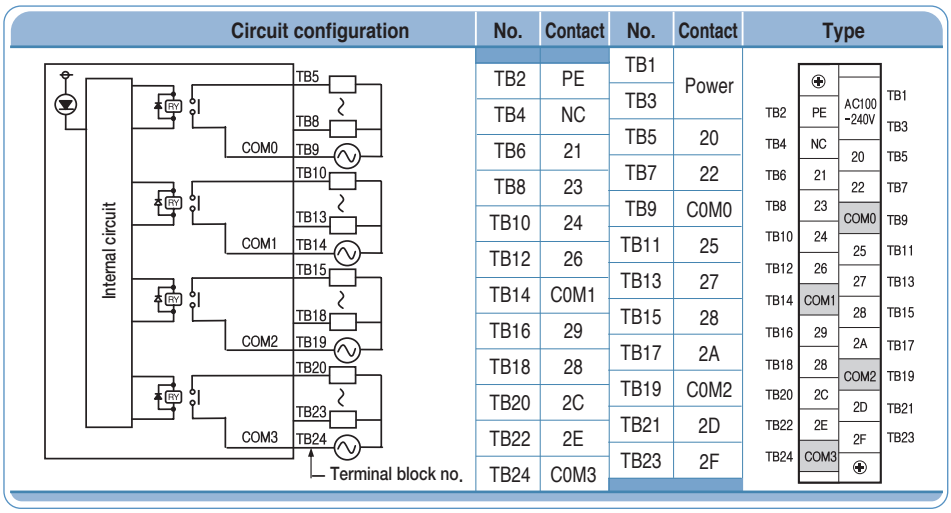
Data memory				
XBC		XEC (IEC type)		
P	P0000 ~ P1023F (16,384 points)	Symbolic variable	A	32KB (Max. 16KB retain setting available)
M	M0000 ~ M1023F (16,384 points)	Input variable	I	2KB (%IX 15.15.63)
K	K0000 ~ K4095F (65,536 points)	Output variable	Q	2KB (%QX 15.15.63)
L	L0000 ~ L2047F (32,768 points)	Direct variable	M	16KB (Max. 8KB retain setting available)
F	F0000 ~ F1023F (16,384 points)		R	20KB (1 block)
T	100ms, 10ms, 1ms: T0000 ~ T1023 (1,024)(Adjustable by parameter setting)		W	20KB
C	C0000 ~ C1023 (1,024)	Flag variable	F	2KB
S	S00.00 ~ S127.99		K	8KB
D	D0000 ~ D10239 (10,240 word)		L	4KB
U	U00.00 ~ U0A.31 (Analog data refresh area: 352 word)		N	10KB
Z	Z000 ~ Z127 (128 word)		U	1KB
N	N000 ~ N5119 (5,120 word)	Flash area	R	20KB (2 blocks)

*1) XEC is IEC standard language programming.

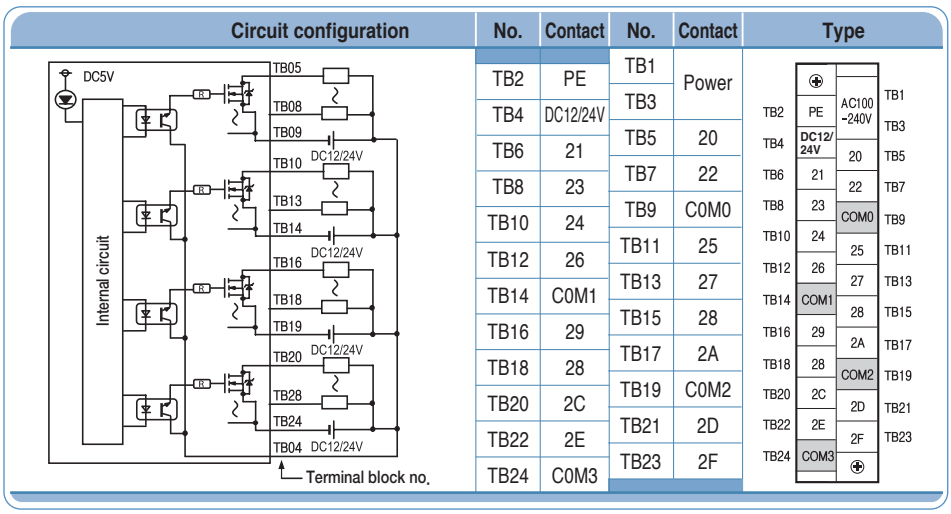
XBC/XEC-DN(R)32H
XBC/XEC-DN/DR/DP32H
Input wiring
(sink/source type)



XBC/XEC-DR32H
Relay output wiring type

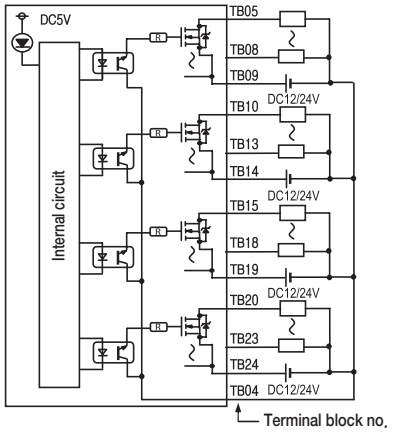


XBC/XEC-DN32H
Transistor output wiring
(sink type)



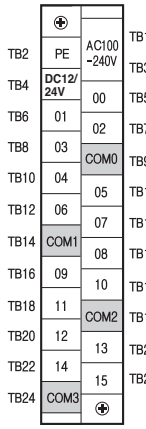
* XBC input : P00~P1F, XEC input : I00~I31 * XBC output : P21~P3F, XEC output : Q00~Q31

XEC-DP32H
Transistor output wiring
(source type)

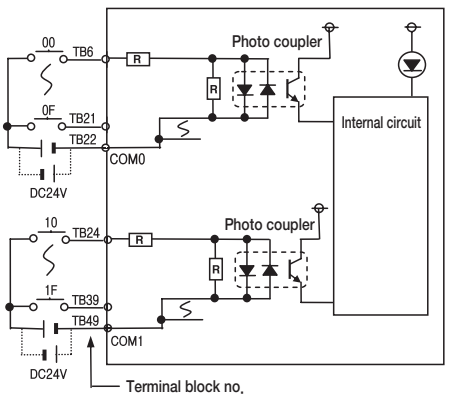


No.	Contact	No.	Contact
TB2	PE	TB1	Power
TB4	DC12/24V	TB3	
TB6	21	TB5	20
TB8	23	TB7	22
TB10	24	TB9	C0M0
TB12	26	TB11	25
TB14	C0M1	TB13	27
TB16	29	TB15	28
TB18	28	TB17	2A
TB20	2C	TB19	C0M2
TB22	2E	TB21	2D
TB24	C0M3	TB23	2F

Type

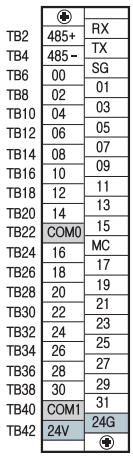


XBC-DN(R)64H
XEC-DN/DR/DP64H
Input wiring
(sink/source type)

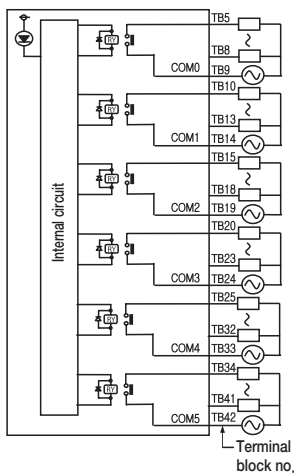


No.	Contact	No.	Contact
TB2	485+	TB1	RX
TB4	485-	TB3	TX
TB6	00	TB5	SG
TB8	02	TB7	01
TB10	04	TB9	03
TB12	06	TB11	05
TB14	08	TB13	07
TB16	0A	TB15	09
TB18	0O	TB17	0B
TB20	0E	TB19	0D
TB22	C0M0	TB21	0F
TB24	10	TB23	MC
TB26	12	TB25	11
TB28	14	TB27	13
TB30	16	TB29	15
TB32	18	TB31	17
TB34	1A	TB33	19
TB36	1C	TB35	1B
TB38	1E	TB37	1D
TB40	C0M1	TB39	1F
TB42	24V	TB41	24G

Type

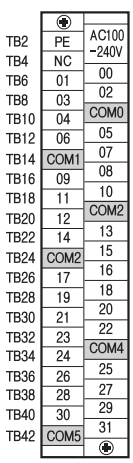


XBC-DR60H
XEC-DR64H
Relay output wiring



No.	Contact	No.	Contact
TB2	PE	TB1	Power
TB4	NC	TB3	
TB6	21	TB5	20
TB8	23	TB7	22
TB10	24	TB9	COM0
TB12	26	TB11	25
TB14	COM1	TB13	27
TB16	29	TB15	28
TB18	2B	TB17	2A
TB20	2C	TB19	COM2
TB22	2E	TB21	2D
TB24	COM2	TB23	2F
TB26	31	TB25	30
TB28	33	TB27	32
TB30	35	TB29	34
TB32	37	TB31	36
TB34	38	TB33	COM4
TB36	3A	TB35	39
TB38	3C	TB37	38
TB40	3E	TB39	3D
TB42	COM5	TB41	3F

Type



* XBC input : P00~P1F, XEC input : I00~I31 * XBC output : P21~P3F, XEC output : Q00~Q31