

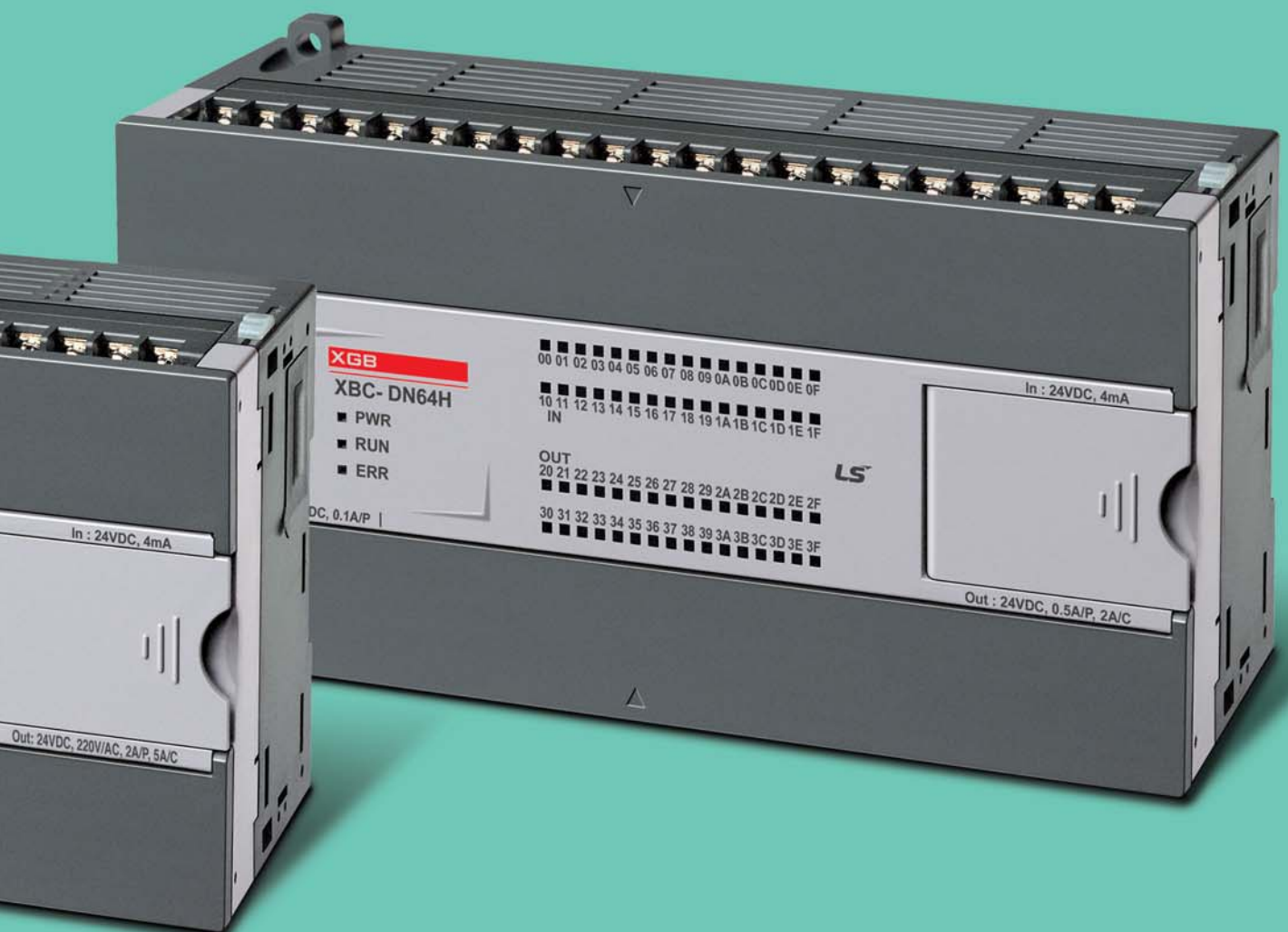
XBC/XEC H

High Performance

C o n t e n t s

Performance specifications 26
Wiring 27





High performance type

Performance specifications

Item	XBC/XEC-DR32H	XBC/XEC-DN32H	XBC/XEC-DR64H	XBC/XEC-DN64H
	XBC-DR32H/DC ^{*1)}	XEC-DP32H ^{*1)}	XBC-DR64H/DC ^{*1)}	XEC-DP64H ^{*1)}
	XEC-DR32H/DI	XBC-DN32H/DC	XEC-DR64H/DI	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

^{*1)} XEC is IEC standard language programming.

Wiring | XBC/XEC H input/output wiring

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

Circuit configuration		No.	Contact	No.	Contact	Type
	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	0C	TB17	0B		
	TB20	0E	TB19	0D		
	TB22	COM	TB21	0F		
	TB24	24V	TB23	24G		

XBC/XEC-DR32H
 Relay output wiring type

Circuit configuration		No.	Contact	No.	Contact	Type
	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	28	TB17	2A		
	TB20	2C	TB19	COM2		
	TB22	2E	TB21	2D		
	TB24	COM3	TB23	2F		

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

Circuit configuration		No.	Contact	No.	Contact	Type
	TB2	PE	TB1	Power		
	TB4	DC12/24V	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	28	TB17	2A		
	TB20	2C	TB19	COM2		
	TB22	2E	TB21	2D		
	TB24	COM3	TB23	2F		

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

XEC-DP32H

Transistor output wiring
(source type)

Circuit configuration		No.	Contact	No.	Contact	Type																																					
	TB05	TB1	Power	<table border="1"> <tr><td>⊕</td><td></td><td>TB1</td></tr> <tr><td>PE</td><td>AC100</td><td>TB3</td></tr> <tr><td></td><td>~240V</td><td>TB5</td></tr> <tr><td>00</td><td></td><td>TB7</td></tr> <tr><td>02</td><td></td><td>TB9</td></tr> <tr><td>COM0</td><td></td><td>TB11</td></tr> <tr><td>05</td><td></td><td>TB13</td></tr> <tr><td>07</td><td></td><td>TB15</td></tr> <tr><td>08</td><td></td><td>TB17</td></tr> <tr><td>10</td><td></td><td>TB19</td></tr> <tr><td>COM2</td><td></td><td>TB21</td></tr> <tr><td>15</td><td></td><td>TB23</td></tr> <tr><td>⊕</td><td></td><td></td></tr> </table>	⊕		TB1	PE	AC100	TB3		~240V	TB5	00		TB7	02		TB9	COM0		TB11	05		TB13	07		TB15	08		TB17	10		TB19	COM2		TB21	15		TB23	⊕		
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XBC-DN(R)64H

XEC-DN/DR/DP64H

Input wiring
(sink/source type)

Circuit configuration		No.	Contact	No.	Contact	Type																																																																			
	TB21	TB1	RX	<table border="1"> <tr><td>⊕</td><td></td><td>TB1</td></tr> <tr><td>485+</td><td>RX</td><td>TB3</td></tr> <tr><td>485-</td><td>TX</td><td>TB5</td></tr> <tr><td>00</td><td>SG</td><td>TB7</td></tr> <tr><td>01</td><td></td><td>TB9</td></tr> <tr><td>02</td><td></td><td>TB11</td></tr> <tr><td>03</td><td></td><td>TB13</td></tr> <tr><td>04</td><td></td><td>TB15</td></tr> <tr><td>05</td><td></td><td>TB17</td></tr> <tr><td>07</td><td></td><td>TB19</td></tr> <tr><td>08</td><td></td><td>TB21</td></tr> <tr><td>09</td><td></td><td>TB23</td></tr> <tr><td>10</td><td></td><td>TB25</td></tr> <tr><td>11</td><td></td><td>TB27</td></tr> <tr><td>13</td><td></td><td>TB29</td></tr> <tr><td>15</td><td></td><td>TB31</td></tr> <tr><td>MC</td><td></td><td>TB33</td></tr> <tr><td>17</td><td></td><td>TB35</td></tr> <tr><td>19</td><td></td><td>TB37</td></tr> <tr><td>21</td><td></td><td>TB39</td></tr> <tr><td>23</td><td></td><td>TB41</td></tr> <tr><td>24G</td><td></td><td></td></tr> <tr><td>⊕</td><td></td><td></td></tr> </table>	⊕		TB1	485+	RX	TB3	485-	TX	TB5	00	SG	TB7	01		TB9	02		TB11	03		TB13	04		TB15	05		TB17	07		TB19	08		TB21	09		TB23	10		TB25	11		TB27	13		TB29	15		TB31	MC		TB33	17		TB35	19		TB37	21		TB39	23		TB41	24G			⊕		
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