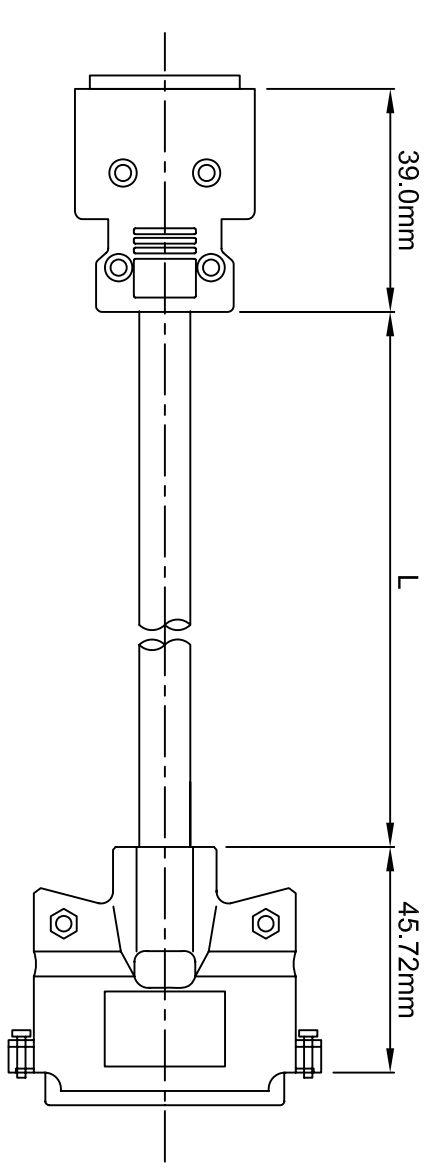


YASKAWA MODULE SIDE

CABLE SPECIFICATION (mm)	
OUTER DIAMETER	8.1 +/- 0.1mm
BENDING RADIUS	10 x O.D. FOR LONG TERM RELIABILITY

TERMINAL BLOCK SIDE



TERMINAL BLOCK & CABLE KIT ITEM #S

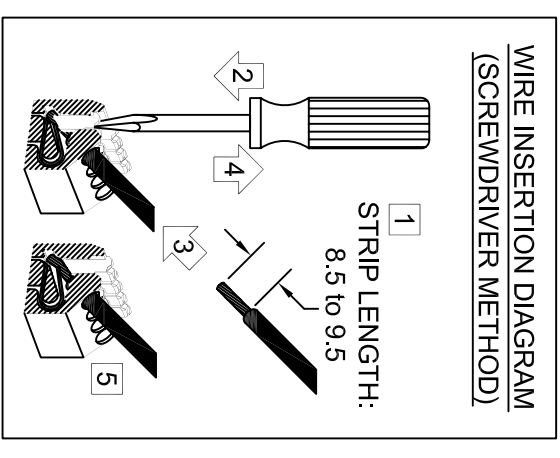
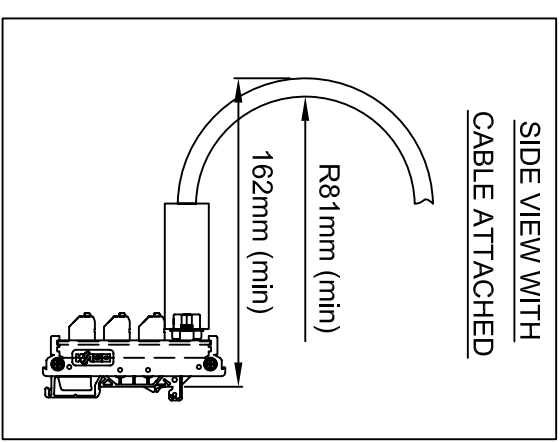
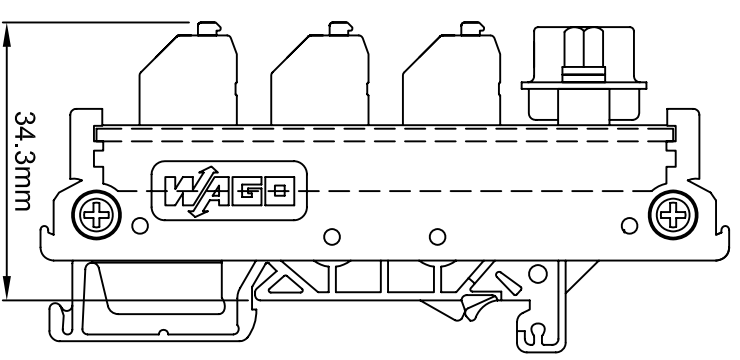
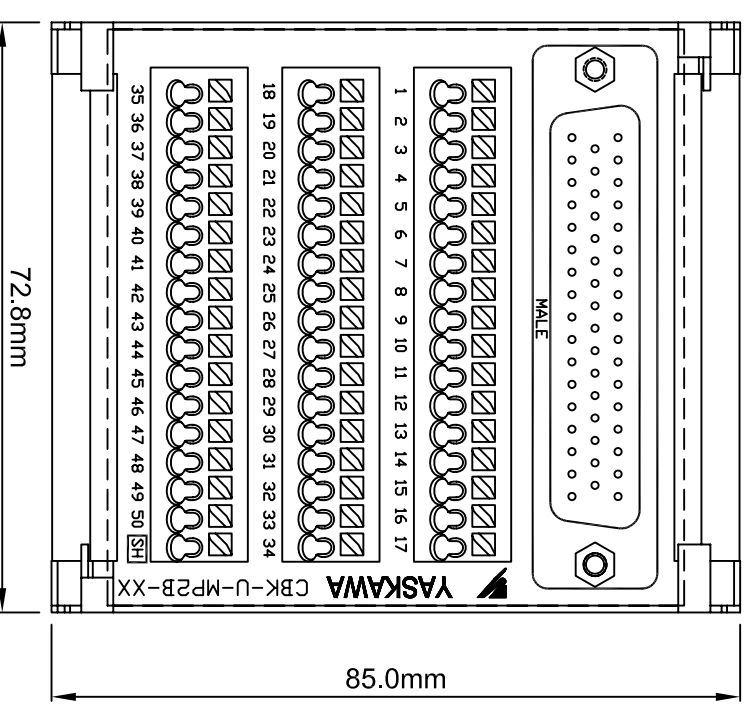
ITEM#	DESCRIPTION	L = LENGTH (mm)
CBK-U-MP2B-01(A)	I/O CABLE W/TERMINAL BLOCK, L= 1 M	1000 +/- 38.1

KIT BILL OF MATERIALS

ITEM#	DESCRIPTION	QTY
1	CABLE	1
2	TERMINAL BLOCK	1
3	YASKAWA INSTRUCTION SHEET (UDA00687)	1

NOTES:

- 1) TERMINAL BLOCK WIRE STRIP LENGTH = 8.5 TO 9.5mm
 - 2) TERMINAL BLOCK WIRE SIZE = 16AWG - 24AWG SOLID OR STRANDED.
 - 3) SOLID WIRES AND WIRES WITH FERRULES CAN BE INSERTED DIRECTLY INTO THE TERMINALS WITHOUT THE NEED TO ACTUATE THE TERMINAL BUTTON.
 - 4) FOR STRANDED WIRES THE TERMINAL BUTTON MUST BE ACTUATED WITH A 1/8" WIDE FLAT BLADE SCREWDRIVER OR WITH A WAGO OPERATING TOOL (210-719, 210-720, OR 250-667).
 - 5) TERMINAL BLOCK MOUNTS TO DIN 35 RAIL.
 - 6) TERMINAL BUTTON ACTUATION FORCE = BETWEEN 3 lbf AND 8 lbf FOR THE SPRING TO BE FULLY ACTUATED.
- WARNING - DAMAGE MAY OCCUR IF MORE THAN 40 lbf IS APPLIED TO THE TERMINAL BUTTON.**



REV	DESCRIPTION	EC#	DRAWN BY	DATE
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
-	-	-	-	-
0	INITIAL RELEASE	2010-715	-	-

SEE PAGE 2/2 FOR CBK-U-MP2B-01(A) FUNCTIONALITY INFORMATION

MATERIAL: N/A	TOLERANCES/REFERENCES: UNLESS OTHERWISE SPECIFIED			DRAWN: E. SONDERMAN	DATE: 11/18/10	TITLE: CBK-U-MP2B-01(A) TERMINAL BLOCK & CABLE KIT INSTRUCTIONS
SPEC: N/A				CHECKED: C. KINTNER	DATE: 11/23/10	
FINISH: N/A				TECH: D. LEE	DATE: 11/23/10	
MODELS: SEE CHART				APPROVED: M. MORAN	DATE: 11/23/10	
REF DWGS: UDA00452 (0), UDA00670 (1)	UNITS: mm	SCALE: NTS		ORIGINAL DESIGN: -		DRAWING #: UDA00687
						PAGE 1 of 2

CBK-U-MP2B-01(A) FUNCTIONALITY CHART:

Pin Number*	LIO-04 (JAPMC-IO2303) / LIO-05 (JAPMC-IO2304)				LIO-06 (JAPMC-IO2305-E)		MP2600iec	
	CN1 Signal	CN1 Function	CN2 Signal	CN2 Function	Signal	Function	Signal	Function
1	DICOM_1	Digital input common 1	DICOM_3	Digital input common 3	AO	Analog output	AO	Analog output
2	DI_00	Digital input 0	DI_16	Digital input 16	AI	Analog input	AI	Analog input
3	DI_02	Digital input 2	DI_18	Digital input 18	-	-	-	-
4	DI_04	Digital input 4	DI_20	Digital input 20	PA+	Phase A pulse (+)	PA+	Phase A pulse (+)
5	DI_06	Digital input 6	DI_22	Digital input 22	PA-	Phase A pulse (-)	PA-	Phase A pulse (-)
6	DICOM_2	Digital input common 2	DICOM_4	Digital input common 4	GND	Encoder input ground	GND	Encoder input ground
7	DI_08	Digital input 8	DI_24	Digital input 24	-	-	BAT+	Controller SRAM Battery (+)
8	DI_10	Digital input 10	DI_26	Digital input 26	-	-	-	-
9	DI_12	Digital input 12	DI_28	Digital input 28	PLC5V	Phase-C latch pulse (-) for 5vdc input	PLC5V	Phase-C latch pulse (-) for 5vdc input
10	DI_14	Digital input 14	DI_30	Digital input 30	PLC24V	Phase-C latch pulse (-) for 24vdc input	PLC24V	Phase-C latch pulse (-) for 24vdc input
11	-	-	-	-	DO_00-	Digital output 0 (-)	DO_00-	Digital output 0 (-)
12	DO_00	Digital output 0	DO_16	Digital output 16	DO_02-	Digital output 2 (-)	DICOM	Digital input common
13	DO_02	Digital output 2	DO_18	Digital output 18	DICOM	Digital input common	DI_00	Digital input 0
14	-	-	-	-	DI_02	Digital input 2	DI_02	Digital input 2
15	+24V_1	Digital output supply 1	+24V_3	Digital output supply 3	DI_04	Digital input 4	DI_04	Digital input 4
16	DO_04	Digital output 4	DO_20	Digital output 20	DI_06	Digital input 6	DO_04-	Digital output 4 (-)
17	DO_06	Digital output 6	DO_22	Digital output 22	-	-	DO_06-	Digital output 6 (-)
18	-	-	-	-	DO_00+	Digital output 0 (+)	-	-
19	DO_08	Digital output 8	DO_24	Digital output 24	DO_02+	Digital output 2 (+)	AO_GND	Analog output ground
20	DO_10	Digital output 10	DO_26	Digital output 26	DO_04+	Digital output 4 (+)	AI_GND	Analog input ground
21	-	-	-	-	DO_06+	Digital output 6 (+)	reserved	reserved
22	+24V_2	Digital output supply 2	+24V_4	Digital output supply 4	DO_01-	Digital output 1 (-)	DO_01-	Digital output 1 (-)
23	DO_12	Digital output 12	DO_28	Digital output 28	DO_03-	Digital output 3 (-)	DO_03-	Digital output 3 (-)
24	DO_14	Digital output 14	DO_30	Digital output 30	DO_06+	Digital output 6 (+)	GND	Encoder input ground
25	-	-	-	-	DO_06+	Digital output 6 (+)	BAT-	Controller SRAM Battery (-)
26	-	-	-	-	AO_GND	Analog output ground	AO_GND	Analog output ground
27	DI_01	Digital input 1	DI_17	Digital input 17	AI_GND	Analog input ground	AI_GND	Analog input ground
28	DI_03	Digital input 3	DI_19	Digital input 19	Phase-B pulse (+)	Phase B pulse (+)	Phase-B pulse (+)	Phase B pulse (+)
29	DI_05	Digital input 5	DI_21	Digital input 21	Phase-B pulse (-)	Phase B pulse (-)	Phase-B pulse (-)	Phase B pulse (-)
30	DI_07	Digital input 7	DI_23	Digital input 23	GND	Encoder input ground	GND	Encoder input ground
31	-	-	-	-	BAT-	Controller SRAM Battery (-)	BAT-	Controller SRAM Battery (-)
32	DI_09	Digital input 9	DI_25	Digital input 25	-	-	-	-
33	DI_11	Digital input 11	DI_27	Digital input 27	-	-	-	-
34	DI_13	Digital input 13	DI_29	Digital input 29	Phase-C latch pulse (-) for 12vdc input	Phase-C latch pulse (-) for 12vdc input	Phase-C latch pulse (-) for 12vdc input	Phase-C latch pulse (-) for 12vdc input
35	DI_15	Digital input 15	DI_31	Digital input 31	PLC12V	12vdc input	PLC12V	12vdc input
36	-	-	-	-	PL	Phase-C latch pulse (+)	PL	Phase-C latch pulse (+)
37	DO_01	Digital output 1	DO_17	Digital output 17	DO_01-	Digital output 1 (-)	DO_01-	Digital output 1 (-)
38	DO_03	Digital output 3	DO_19	Digital output 19	DO_03-	Digital output 3 (-)	DO_03-	Digital output 3 (-)
39	OV_1	Digital output 0VDC 1	OV_3	Digital output 0VDC 3	DICOM	Digital input common	DICOM	Digital input common
40	DO_05	Digital output 5	DO_21	Digital output 21	Digital input 1 (shared with pulse latch input)	Digital input 1 (shared with pulse latch input)	DI_01	Digital input 1 (shared with pulse latch input)
41	DO_07	Digital output 7	DO_23	Digital output 23	DI_03	Digital input 3	DI_03	Digital input 3
42	DO_09	Digital output 9	DO_25	Digital output 25	DI_05	Digital input 5	DI_05	Digital input 5
43	DO_11	Digital output 11	DO_27	Digital output 27	DI_07	Digital input 7	DI_07	Digital input 7
44	DO_13	Digital output 13	DO_29	Digital output 29	DO_05-	Digital output 5 (-)	DO_05-	Digital output 5 (-)
45	DO_15	Digital output 15	DO_31	Digital output 31	DO_07-	Digital output 7 (-)	DO_07-	Digital output 7 (-)
46	OV_2	Digital output 0VDC 2	OV_4	Digital output 0VDC 4	DO_01+	Digital output 1 (+)	DO_01+	Digital output 1 (+)
47	-	-	-	-	DO_03+	Digital output 3 (+)	DO_03+	Digital output 3 (+)
48	DO_13	Digital output 13	DO_29	Digital output 29	DO_05+	Digital output 5 (+)	DO_05+	Digital output 5 (+)
49	DO_15	Digital output 15	DO_31	Digital output 31	DO_07+	Digital output 7 (+)	DO_07+	Digital output 7 (+)
50	-	-	-	-	DO_07+	Digital output 7 (+)	DO_07+	Digital output 7 (+)

*TWISTED PAIRS
1 - 26
2 - 27
8 - 33
4 - 5
9 - 35
29 - 30
10 - 34
7 - 32

MATERIAL:		TOLERANCES / REFERENCES:		DRAWN:	
N/A		UNLESS OTHERWISE SPECIFIED		E: SONDERMAN	DATE: 11/18/10
SPEC: N/A				CHECKED: C. KINTNER	DATE: 11/23/10
FINISH: N/A				TECH: D. LEE	DATE: 11/23/10
MODELS: N/A				APPROVED: M. MORAN	DATE: 11/23/10
SEE CHART				ORIGINAL DESIGN:	
REF DIMS: UDA00452 (0), UDA00670 (1)		UNITS: mm	SCALE: NTS		
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		PAGE: 2 of 2			