


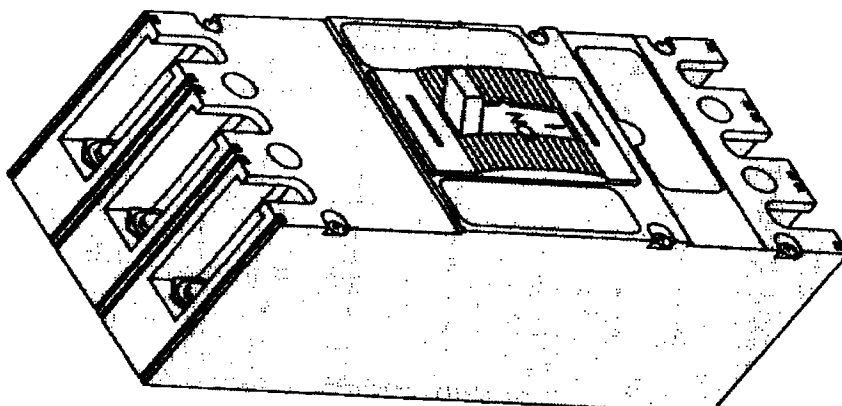
SHANGHAI JIANGNAN CHANGXING HEAVY INDUSTRY CO., LTD

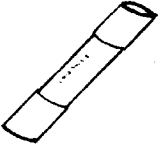
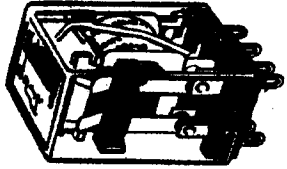

Hull No. : H2431

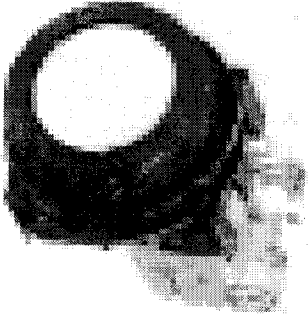


## 5100TEU CONTAINER VESSEL

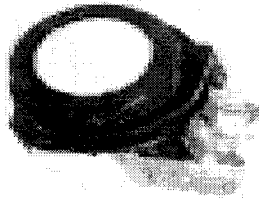
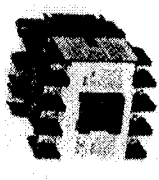
### SPARE PARTS LIST

DESIGNED BY	刘永泰	PAGE	20
COMPARED BY	刘永泰	DATE	2008-5-8
 <b>TERASAKI</b> <i>Ensuring Service, Maintaining Quality</i>		TERASAKI (CHINA) ELECTRIC CO., LTD	

NO.	NAME	TYPE	SYMBOL	QT.	MANUFACTURE	BOX. NO
1	MCCB	TL-100C/15A 3P FC(USED FOR PC)		1	TERASAKI	1
2	MCCB	TL-100C/15A 3P PM SHTAC450V LTP		1	TERASAKI	1
3	MCCB	TL-100C/30A 3P PM SHTAC450V LTP		1	TERASAKI	1
4	MCCB	TL-100C/60A 3P PM SHTAC450V LTP		1	TERASAKI	1
5	MCCB	TL-100C/75A 3P PM SHTAC450V LTP		1	TERASAKI	1
6	MCCB	TL-100C/100A 3P PM SHTAC450V LTP		1	TERASAKI	1
7	MCCB	TL-225B/150A 3P PM		1	TERASAKI	1
8	MCCB	TL-225B/200A 3P FPM		1	TERASAKI	1
9	MCCB	TL-225B/225A 3P PM SHTAC450V线出		1	TERASAKI	1
10	MCCB	TL-400/300A 3P PM		1	TERASAKI	1
11	MCCB	TL-400/4000A 3P PM SHTAC450V线出		1	TERASAKI	2
12	MCCB	TL-600/600A 3P PM SHTAC450V线出		1	TERASAKI	2
13	MCCB	TL-800/700A 3P PM SHTAC450V线出 LOCK		1	TERASAKI	3
14	MCCB	TL-100F/20A 3P PM		1	TERASAKI	2
15	MCCB	TL-100F/15A 3P PM SHTAC450V LTP		1	TERASAKI	2
16	MCCB	TL-100F/60A 3P FC		3	TERASAKI	2
17	MCCB	TL-100F/75A 3P FC		7	TERASAKI	2
18	MCCB	TL-225F/125A 3P PM		1	TERASAKI	2
19	MCCB	XH100NS/15A 3P PM		2	TERASAKI	2
20	MCCB	XE100NS/60A 3P PM		1	TERASAKI	3
21	MCCB	XE100NS/75A 3P PM SHTAC220V		1	TERASAKI	3
22	MCCB	XE100NS/30A 3P PM		2	TERASAKI	3
23	MCCB	XE100NS/20A 3P PM SHTAC220V		1	TERASAKI	3
24	MCCB	XE100NS/40A 3P PM		1	TERASAKI	3
25	MCCB	XE100NS/15A 3P PM		6	TERASAKI	3
26	MCCB	XE100NS/20A 3P PM		3	TERASAKI	3
27	MCCB	XE100NS/15A 3P FC		1	TERASAKI	3
28	MCCB	XE100NS/20A 3P FC		1	TERASAKI	3
29	MCCB	TB-5P/40A 2P PM		1	TERASAKI	3
30	MCCB	TB-5P/15A 2P PM		1	TERASAKI	3

31	FUSE	013325		3	LEGRAND	4
32	FUSE	013320		1	LEGRAND	4
33	FUSE	013306		4	LEGRAND	4
34	FUSE	013304		23	LEGRAND	4
35	FUSE	013302		86	LEGRAND	4
36	RELAY	SH-4( 4a) AC220V 60Hz		8	FUJI	4
37	RELAY	SH-4( 4a4b) DC24V		1	FUJI	4
38	RELAY	SH-4( 4a4b) AC220V 60Hz		4	FUJI	4
39	RELAY	RU4S-A220 AC220V 60Hz		13	IDEC	4
40	RELAY	RU4S-D-D24 DC24V		12	IDEC	4
41	RELAY	RJIS-CLD-D24	6	IDEC	4	
42	TIMER RELAY	DAA51CM24 DC24V		1	CARLO	4

43	INDICATOR LAMP	YWIP-IBEM45 W		10	IDEC	4
44	INDICATOR LAMP	YWIP-IBEM45 G		10	IDEC	4
45	INDICATOR LAMP	YWIP-IBEM45 R		10	IDEC	4
46	INDICATOR LAMP	YWIP-IBEQ7 W		1	IDEC	4
47	INDICATOR LAMP	YWIP-IBEQ7 R		1	IDEC	4
48	INDICATOR LAMP	YWIP-IEQ0Y+LS-3		4	IDEC	4
49	INDICATOR LAMP	APW146EW		1	IDEC	4
50	INDICATOR LAMP	APW146EG		11	IDEC	4
51	INDICATOR LAMP	APW246EC		2	IDEC	4
52	INDICATOR LAMP	APW226EC		1	IDEC	4
53	SQUARE LAMP	HW2P-1Q0WLS-3			2	IDEC
54	SQUARE LAMP	HW2P-1Q0RLS-3	5		IDEC	4
55	SQUARE LAMP	HW2P-1Q0GLS-3	1		IDEC	4
56	CHANGEOVER SWITCH WITH LAMP	ASLW223620A		5	IDEC	4
57	CHANGEOVER SWITCH	YW1S-2E10		4	IDEC	4

58	PUSH BUTTON	YWIB-MIE01R		10	IDEC	4
59	PUSH BUTTON	YWIB-MIE10G		10	IDEC	4
60	PUSH BUTTON	YWIB-MIE11B		2	IDEC	4
61	PUSH BUTTON	YWIB-MIE10B		1	IDEC	4
62	PUSH BUTTON	YWIB-MIE20R		1	IDEC	4
63	PUSH BUTTON	YWIB-MIE20G		1	IDEC	4
64	PUSHBUTTON WITH LAMP	YWIL-MF2E20Q7 W		1	IDEC	4
65	CONTACTOR	A9-30-10 AC440V 60HZ		3	ABB	4
66	CONTACTOR	A16-30-10 AC440V 60HZ		2	ABB	4
67	THERMAL RELAY	TA25DU4.0		1	ABB	4

68	RESISTANCE	6.8KΩ 1/2W			2	CHINA	4
69	RESISTANCE	12KΩ 1/2W			2	CHINA	4
70	SEQUENCER IN/OUTPUT MODULE	NPIW3206T			1	FUJI DENKI	4
71	SEQUENCER POWER SUPPLY MODULE	NP1S-42			1	FUJI DENKI	4
72	SEQUENCER CPU MODULE	NP1PH-16			1	FUJI DENKI	4
73	ACB SPARE PARTS	ACB SPARE PARTS FOR AR332S			1	TERASAKI	4
74	ACB SPARE PARTS	ACB SPARE PARTS FOR AR440S			1	TERASAKI	4
75	ACB SPARE PARTS	ACB SPARE PARTS FOR AME4B			1	TERASAKI	4

CHANGE OF ALTERATIONS

NO.	DATE	DESCRIPTION	REVISION SHEET NO.
A	17-Dec-07	Designed	

MESSRS

TERASAKI ELECTRIC (CHINA)  
LIMITED

ORDER NO.  
PUR-0710JK043

Tempower 2  
AR332S

 **TERASAKI ELECTRIC CO., LTD.**

TECHNICAL SERVICE DEP.		DESIGNING DEP.	
DEP. CHIEF		DEP. CHIEF	
	<i>H. Ohkima</i>		
	<i>K. Masui</i>		
	<i>M. Hatanaka</i>		

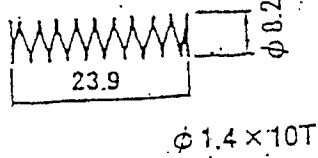
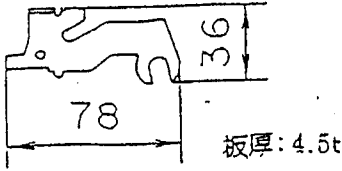
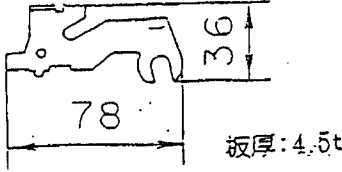
SCALE CLASS GL

DATE OF DRAWING 20-Dec-07

DWG. NO. (1371926-10)  
1371927-10

H19-12-118

6/20

SPARE PARTS LIST		TYPE : AR332S			REMARKS PART NO.
NAME OF PART	OUTLINE	QUANTITIES			
		WORKING		SPARE	
		PER SET	PER VESS		
1 STATIONARY CONTACT SPRING/A 固定コンタクトスプリングA		96		96	✓ 1A0426QAC
2 CONTACT/DA アーキングコンタクト		6		6	✓ 1A3489EAC
3 STATIONARY ARC CONTACT/UA 固定アーキングコンタクト (上)		12		12	✓ 1A3495EAD
4 STATIONARY ARC CONTACT/DA 固定アーキングコンタクト (下)		12		12	✓ 1A3495EBD
5					
6					
7					
8					
9					
10					

5100 / H2431MSB  
08.2.24  
齊藤

SPARE PARTS LIST		TYPE: AR332S			QUANTITIES		REMARKS PART NO.
NAME OF PART	OUTLINE	WORKING		SPARE			
		PER SET	PER VESS				
11	CONTROL RELAY 制御リレー		1		1	HH62PAC200/220	
12	CLOSING LATCH RELEASE DEVICE  ( 220V, AC ) 投入SHT装置  AC及びDC100~125V用		1		1	1H3465CEA	
	<del>CLOSING LATCH RELEASE DEVICE  ( V, DC ) 投入SHT装置  DC24V, 48V用</del>	<del></del>	<del>1</del>		<del>1</del>	<del>1H3466</del>	
13	<del>SHUNT TRIP DEVICE  ( V, AC ) 電圧引外し装置</del>	<del></del>	<del>1</del>		<del>1</del>	<del>1H3885</del>	
	<del>SHUNT TRIP DEVICE  ( V, DC ) 電圧引外し装置</del>	<del></del>	<del>1</del>		<del>1</del>	<del>1H3468</del>	
14	CAPACITOR TRIPPING コンデンサトリップ		1			AQR-1 1H1877BAA	

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## SPARE PARTS LIST

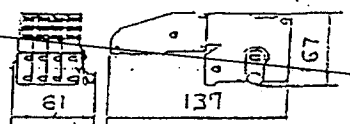
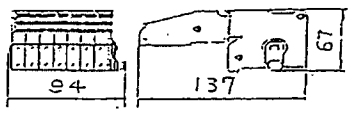
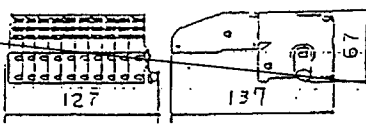
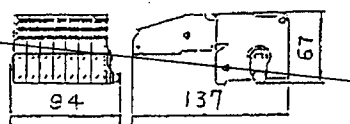
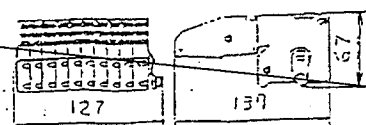
TYPE : AR332S

	NAME OF PART	OUTLINE	QUANTITIES			REMARKS PART NO.
			WORKING		SPARE	
			PER SET	PER VESS		
15	UNDERVOLTAGE TRIP DEVICE (            V, AC )  不足電圧引外し装置		1			<del>抽出形 (AUR-1CS) 1H3881</del>
	UNDERVOLTAGE TRIP DEVICE (200/220/240V, AC)  不足電圧引外し装置		1		1	抽出形 AGR-22B, 31B  (AUR-1CD) 1H3880CDB
	<del>UNDERVOLTAGE TRIP DEVICE (            V, AC )  不足電圧引外し装置</del>	<del> </del>	1			<del>固定形 (AUR-1CS) 1H3883</del>
	<del>UNDERVOLTAGE TRIP DEVICE (            V, AC )  不足電圧引外し装置</del>	<del> </del>	1			<del>固定形 (AUR-1CD) 1H3882</del>
16	UNDERVOLTAGE TRIP COIL  不足電圧引外しコイル (AUR-1C)		1		1	1A5503CAC
17	MAGNETIC HOLD TRIGGER  マグネット ホールド トリガー		1		1	ATR-1 1H1265CAB

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SPARE PARTS LIST

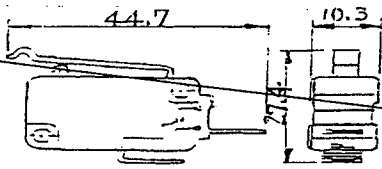
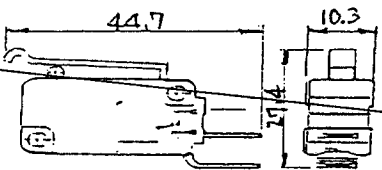
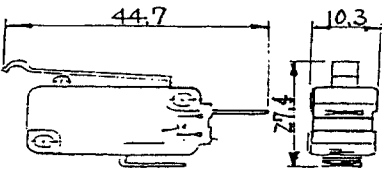
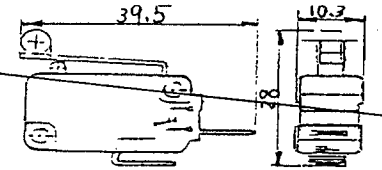
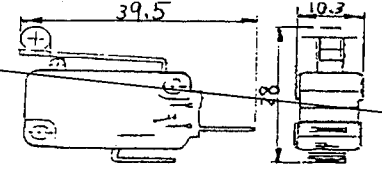
TYPE : AR332S

	NAME OF PART	OUTLINE	QUANTITIES			REMARKS PART NO.
			WORKING		SPARE	
			PER SET	PER VESS		
18	<del>AUX SWITCH/4C (SCREW TERMINALS)</del>  補助スイッチ (ねじ端子)		1			<del>AXR-004 1H1278CAD</del>
	AUX SWITCH/7C (SCREW TERMINALS MICROLOAD)  補助スイッチ (ねじ端子)		1		1	AXR-007 1H1282CAD
	<del>AUX SWITCH/10C (SCREW TERMINALS)</del>  補助スイッチ (ねじ端子)		1			<del>AXR-010 1H1284CAD</del>
	<del>AUX SWITCH/4C (SCREW TERMINALS MICROLOAD)</del>  補助スイッチ/4C (ねじ端子/微小負荷 3C)		1			<del>AXR-304 1H1295CAD</del>
	<del>AUX SWITCH/7C (SCREW TERMINALS MICROLOAD)</del>  補助スイッチ (ねじ端子/微小負荷 3C)		1			<del>AXR-307 1H1297CAD</del>

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## SPARE PARTS LIST

TYPE : AR332S

	NAME OF PART	OUTLINE	QUANTITIES			REMARKS PART NO.
			WORKING		SPARE	
			PER SET	PER VESS		
20	CHARGE-UP SWITCH チャージアップスイッチ (微小回路用)		1			ALR-1CA AM50064A3
21	TRIP INDICATION チャージアップスイッチ (一般回路用)		1			ALR-1CB AM50664A3
22	CHARGE-UP SWITCH チャージアップスイッチ (モータ回路用)		1		1	ALR-1CB AM50054A3
23	TRIP INDICATION SWITCH トリップ表示スイッチ (微小回路用)		1			ALR-1TA AM50065A3
24	TRIP INDICATION SWITCH トリップ表示スイッチ (一般回路用)		1			ALR-1TB AM50665A3
25						
26						
27						
28						
29						

CHANGE OF ALTERATIONS

NO.	DATE	DESCRIPTION	REVISION SHEET NO.
A	20-Dec-07	Designed	

MESSRS

TERASAKI ELECTRIC (CHINA)  
LIMITED

ORDER NO.  
PUR-0710JK043

TemPower 2  
AR440S

 **TERASAKI ELECTRIC CO., LTD.**

TECHNICAL SERVICE DEP.		DESIGNING DEP.	
DEP. CHIEF		DEP. CHIEF	
	<i>H. Chokima</i>		
	<i>K. Masui</i>		
	<i>M. Inoue</i>		

SCALE		CLASS	GL
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DATE OF DRAWING 20-Dec-07

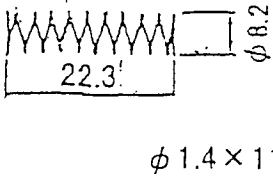
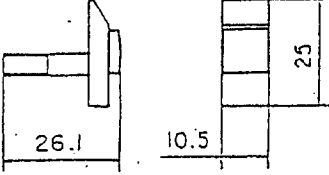
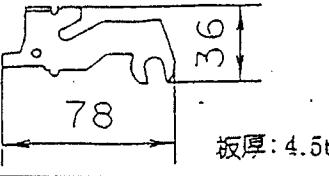
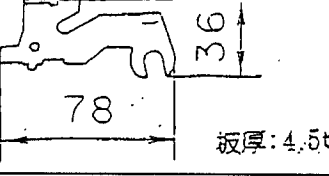
DWG. NO. (1371926-20)  
1371927-20

H19-12-166

12/20

SPARE PARTS LIST

TYPE : AR440S

	NAME OF PART	OUTLINE	QUANTITIES			REMARKS PART NO.
			WORKING		SPARE	
			PER SET	PER VESS		
1	STATIONARY CONTACT SPRING/7 固定コンタクトスプリング		120		120	✓ 1A3543QAA
2	ARC/CONTACT/2 アーキングコンタクト		12		12	✓ 1A3490EAC
3	STATIONARY ARC CONTACT/UA 固定アーキングコンタクト (上)		12		12	✓ 1A3495EAD
4	STATIONARY ARC CONTACT/DA 固定アーキングコンタクト (下)		12		12	✓ 1A3495EBD
5						
6						
7						
8						
9						5100/K2431MSR 齊 08.2.24
10						

SPARE PARTS LIST

TYPE : AR440S

	NAME OF PART	OUTLINE	QUANTITIES			REMARKS PART NO.
			WORKING		SPARE	
			PER SET	PER VESS		
11	CONTROL RELAY 制御リレー		1		1	✓ HH62PAC200/220
12	CLOSING LATCH RELEASE DEVICE  ( 220V, AC ) 投入SHT装置  AC及びDC100~125V用		1		1	✓ 1H3465CEA
	<del>CLOSING LATCH RELEASE DEVICE  ( V, DC ) 投入SHT装置  DC24V, 48V用</del>	<del></del>	<del>1</del>			<del>1H3466</del>
13	SHUNT TRIP DEVICE  ( 220V, AC ) 電圧引外し装置		1		1	✓ 1H3885CEA
	<del>SHUNT TRIP DEVICE  ( V, DC ) 電圧引外し装置</del>	<del></del>	<del>1</del>			<del>1H3468</del>
14	<del>CAPACITOR TRIPPING コンデンサトリップ</del>	<del></del>	<del>1</del>			<del>AQR-1 1H1877BAA</del>

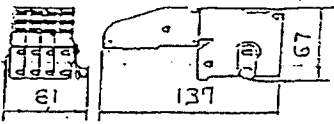
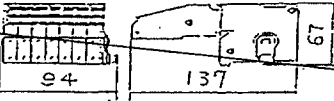
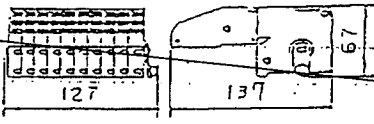
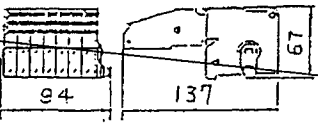
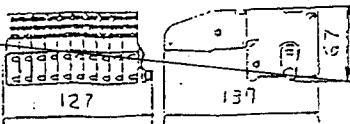
14/20

SPARE PARTS LIST		TYPE: AR440S			QUANTITIES		REMARKS PART NO.
NAME OF PART	OUTLINE	WORKING		SPARE			
		PER SET	PER VESS				
<p>UNDervOLTAGE TRIP DEVICE ( V, AC )</p> <p>不足電圧引外し装置</p>		1			<p>抽出形 (AUR-1CS)</p> <p><del>1H3881</del></p>		
<p>UNDervOLTAGE TRIP DEVICE ( V, AC )</p> <p>不足電圧引外し装置</p>		1			<p>抽出形 (AUR-1CD)</p> <p><del>1H3880</del></p>		
<p>UNDervOLTAGE TRIP DEVICE ( V, AC )</p> <p>不足電圧引外し装置</p>		1			<p>固定形 (AUR-1CS)</p> <p><del>1H3883</del></p>		
<p>UNDervOLTAGE TRIP DEVICE ( V, AC )</p> <p>不足電圧引外し装置</p>		1			<p>固定形 (AUR-1CD)</p> <p><del>1H3882</del></p>		
<p>UNDervOLTAGE TRIP COIL</p> <p>不足電圧引外しコイル (AUR-1C)</p>		1			<p><del>1A5503CAC</del></p>		
<p>MAGNETIC HOLD TRIGGER</p> <p>マグネット ホールド トリガー</p>		1		1 ✓	<p>ATR-1</p> <p><del>1H1265CAB</del></p>		

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SPARE PARTS LIST

TYPE: AR440S

NAME OF PART	OUTLINE	QUANTITIES			REMARKS PART NO.
		WORKING		SPARE	
		PER SET	PER VESS		
AUX SWITCH/4C ( SCREW TERMINALS )  補助スイッチ (ねじ端子)		1		1 ✓	AXR-004 1H1278CAD
<del>AUX SWITCH/7C ( SCREW TERMINALS )  補助スイッチ (ねじ端子)</del>	<del></del>	<del>1</del>			<del>AXR-007 1H1282CAD</del>
<del>AUX SWITCH/10C ( SCREW TERMINALS )  補助スイッチ (ねじ端子)</del>	<del></del>	<del>1</del>			<del>AXR-010 1H1284CAD</del>
<del>AUX SWITCH/4C ( SCREW TERMINALS MICROLOAD )  補助スイッチ/4C (ねじ端子/微少負荷 3C)</del>	<del></del>	<del>1</del>			<del>AXR-304 1H1295CAD</del>
<del>AUX SWITCH/7C ( SCREW TERMINALS MICROLOAD )  補助スイッチ (ねじ端子/微少負荷 3C)</del>	<del></del>	<del>1</del>			<del>AXR-307 1H1297CAD</del>

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SPARE PARTS LIST		TYPE: AR440S			QUANTITIES			REMARKS PART NO.
NAME OF PART	OUTLINE	WORKING		SPARE				
		PER SET	PER VESS					
20	CHARGE-UP SWITCH チャージアップスイッチ (微小回路用)		1					
21	CHARGE-UP SWITCH チャージアップスイッチ (一般回路用)		1				<del>ALR-1CB</del> <del>AM50664A3</del>	
22	CHARGE-UP SWITCH チャージアップスイッチ (モータ回路用)		1		1	✓	ALR-1CB AM50054A3	
23	TRIP INDICATION SWITCH トリップ表示スイッチ (微小回路用)		1				<del>ALR-1TA</del> <del>AM50065A3</del>	
24	TRIP INDICATION SWITCH トリップ表示スイッチ (一般回路用)		1				ALR-1TB AM50665A3	
25								
26								
27								
28								
29								

CHANGE OF ALTERATIONS			
NO.	DATE	DESCRIPTION	REVISION SHEET NO.
A	17-Dec-07	Designed	

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 LIMITED

ORDER NO.  
 PUR-0710JK044

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 <b>TERASAKI ELECTRIC CO., LTD.</b>			
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	<i>M. Matsumoto</i>		
SCALE		CLASS	GL
DATE OF DRAWING 17-Dec-07			
(1371924-10)			
DWG. NO. 1371925-10			

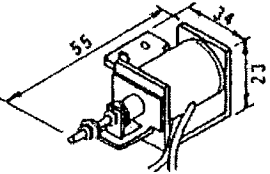
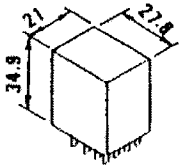
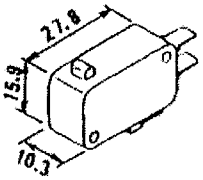
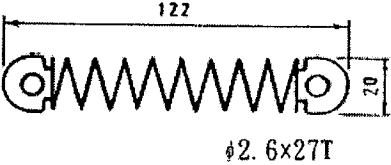
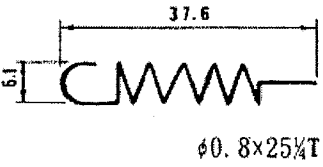
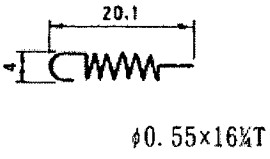
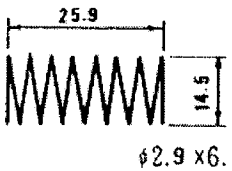
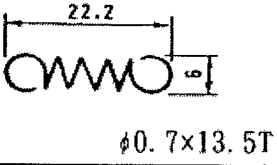
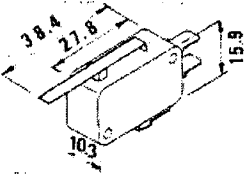
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SPARE PARTS LIST		TYPE: AME3B, 4B				
	NAME OF PART	OUTLINE	QUANTITIES			REMARKS PART NO.
			WORKING		SPARE	
			PER SET	PER VESS		
1	MOVING ARC HORN 可動アークホーン		3		3 ✓	1A0018MAA
2	STATIONARY ARC HORN 固定アークホーン		3		3 ✓	1A0011KAA
3	OPERATING SPRING 操作スプリング		4		4 ✓	TXKQ0001A
4	CONTACT SPRING コンタクトスプリング		6		6 ✓	TXKQ0028-B
5	UNDervOLTAGE TRIP DEVICE 不足電圧引外し装置		1		1 ✓	AUK1
6	MAGNETIC HOLD TRIGGER マグネットホールドトリガー		1		1 ✓	TVK1
7	SHUNT TRIP DEVICE ( AC V ) 電圧引外し装置		1		1 ✓	<del>XVF4 2H1306BAA</del>
8	AUXILIARY / ALARM SWITCH 補助/警報スイッチ		2		1 ✓	V-10-1A4
9					400/10031 ESR 合計 08.2.12	

SPARE PARTS LIST

TYPE: AME3B, 4B

	NAME OF PART	OUTLINE	QUANTITIES			REMARKS PART NO.
			WORKING		SPARE	
			PER SET	PER VESS		
11	CLOSING LATCH RELEASE DEVICE (AC 220V) 投入SHT装置		1		1 ✓	2H0073CBC
12	CONTROL RELAY (AC 220V) 制御リレー		2		1 ✓	HH54PAC200/220V
13	LIMIT SWITCH リミットスイッチ ( INTER-LOCK SWITCH インターロックスイッチ POSITION SWITCH ポジションスイッチ )		2		1 ✓	V-16-1A6
14	CLOSING SPRING 投入スプリング		1		1 ✓	2A0792DAA
15	LATCH SPRING ラッチスプリング		1		1 ✓	2A0882QAB
16	LATCH RECEIVE SPRING ラッチ受スプリング		1		1 ✓	2A0883QAA
17	DAMPER SPRING ダンパースプリング		1		1 ✓	2A0889QAB
18	CHARGE LEVER SPRING チャージレバースプリング		1		1 ✓	2A0885QAA
19	LIMIT SWITCH リミットスイッチ		1		1 ✓	V-162-1A5
20						