

Data form for electrical and electronic equipment/components

Aufbauübersicht für elektrische und elektronische Geräte/Komponenten

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Applicant / Auftraggeber:	GD Midea Air-Conditioning Equipment Co., Ltd.		
Manufacturer / Hersteller:	GD Midea Air-Conditioning Equipment Co., Ltd.		
Authorized person / Bevollmächtigter	Ms. Vicky Xu		
Factory / Fertigungsstätte:	Factory 1: GD Midea Air-Conditioning Equipment Co., Ltd Factory 2: Guangzhou Hualing Refrigerating Equipment Co., Ltd		
Type of equipment / Geräteart:	Split Type Air Conditioner		
Type/model / Typenbezeichnung:	Refer to rating information		
Serial no. / Seriennr.:	N.A		
Rated voltage/frequency / Nennspannung/Frequenz:	220-240V~, 50 Hz		
Rated input power/current / Nennaufnahme/Nennstrom:	Refer to rating information		
Connection to water installation / Anschlussdaten-Wasser:	N.A.		
Dimensions / Abmessungen [HxWxD / HxBxT]:	See manual [mm / cm / m]		
Weight / Gewicht:	> 18[kg]		
Noise emission / Lärmemission:	< 70 [dB(A)]		
Ambient temperature / Umgebungstemperatur	min.: -15	°C max.: 50 °C	☒
Operation / Einsatz:	< 2,000 m above sea level up to m	/ < 2.000 m üNN bis zu m	☒ ☐
Classification of installation and use /: Installation und Nutzung	Stationary Portable Hand-held Open-frame	Ortsfest Ortsveränderlich Handgerät Einbaugerät	☒ ☐ ☐ ☐
Protection class / Schutzklasse:	I: II: III:	PE-connection Double insulation SELV / internally powered	Schutzleiteranschluss Schutzisoliert Schutzkleinspannung / interne Stromversorgung
Degree of protection / Schutzart /:	IP 24 (outdoor unit); IP X0 (indoor unit)		☒
Degree of pollution / Verschmutzungsgrad:	1 ☐	2 ☒	3 ☒ 4 ☐
Overvoltage category / Überspannungskategorie:	I ☐	II ☒	III ☐ IV ☐
Supply connection / Anschlussart:	Nondetachable cord Permanent connection Appliance inlet	Feste Anschlussleitung Fester Anschluss Gerätesteckvorrichtung	☐ ☒ ☐
Rated operation / Netzbetriebsart:	Continuous operation Intermittent operation Short time operation	Dauerbetrieb Aussetzbetrieb Kurzzeitbetrieb	☒ ☐ ☐

Test Report No. / Prüfbericht Nr.: 64.111.20.01839.03 Rev.00

Place / Ort: Foshan

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Name Projektleiter:

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Additional information for Laser equipment, classification according to IEC/EN 60825

Zusätzliche Angaben für Laser, Klassifizierung nach IEC/EN 60825

Class / Klasse: N/A
Wavelength / Wellenlänge: N/A
Pulse duration / Pulsdauer: N/A

Safety relevant components: (switches, temperature regulators, heating elements, plugs, sockets, wiring, capacitors, motors and other components with windings e.g. transformers, coils, emergency off devices, 2-hand-control-devices, interlock switches, safety light barriers, safety valves, programmable electronic controllers -PLC, hydraulic controllers, pneumatic controllers, Software (Revision), housing parts, materials with contact to food etc.

Components for Functional Safety shall be listed in appropriate table.

The entry of safety relevant components into this table documents and confirms review of suitability and acceptance by the product specialist.

Sicherheitsrelevante Bauteile: (Schalter, Temperaturregler, Heizkörper, Stecker, Fassungen, Leitungen, Kondensatoren, Motoren und sonstige Wicklungen z.B. Transformatoren, Magnetspulen, Not-Aus Geräte, 2-Handsteuerungen, Verriegelungsschalter, Sicherheits-Lichtschranken, Sicherheitsventile, Programmierbare Steuerungen-SPS, hydraulische Steuerungen, pneumatische Steuerungen, Software (Revisionsstand), Gehäuseteile, Materialien mit Kontakt zu Lebensmitteln usw.

Komponenten für Funktionale Sicherheit müssen in die entsprechende Tabelle eingetragen werden.

Der Eintrag sicherheitsrelevanter Komponenten in die Übersicht dokumentiert und bestätigt die Überprüfung der Eignung und Freigabe durch den „Product Specialist“.

Rating information :

Code	Model	Indoor model	Outdoor model	Rated power input/Rated current	Refrigerant
				Cooling/Heating	
A1	MSABBU-09HRFN8-QRD6GW/MOX230-09HFN8-QRD6GW	MSABBU-09HRFN8-QRD6GW	MOX230-09HFN8-QRD6GW	2200W/10,5A	R32
A2	B-MSABBU-09HRFN8-QRD6GW/B-MOX230-09HFN8-QRD6GW	B-MSABBU-09HRFN8-QRD6GW	B-MOX230-09HFN8-QRD6GW	2200W/10,5A	R32
A3	MSABBU-12HRFN8-QRD6GW/MOX230-12HFN8-QRD6GW	MSABBU-12HRFN8-QRD6GW	MOX230-12HFN8-QRD6GW	2200W/10,5A	R32
A4	B-MSABBU-12HRFN8-QRD6GW/B-MOX230-12HFN8-QRD6GW	B-MSABBU-12HRFN8-QRD6GW	B-MOX230-12HFN8-QRD6GW	2200W/10,5A	R32
A5	MSABDU-18HRFNX-QRD0GW/MOX301-18HFN8-QRD0GW	MSABDU-18HRFNX-QRD0GW	MOX301-18HFN8-QRD0GW	2500W/13,0A	R32
A6	MSABEU-24HRFNX-QRD0GW/MOX401-24HFN8-QRD0GW	MSABEU-24HRFNX-QRD0GW	MOX401-24HFN8-QRD0GW	3700W/19,0A	R32
B1	MSAEBU-09HRFN8-QRD6GW/MOX230-09HFN8-QRD6GW	MSAEBU-09HRFN8-QRD6GW	MOX230-09HFN8-QRD6GW	2200W/10,5A	R32
B2	MSAEBU-12HRFN8-QRD6GW/MOX230-12HFN8-QRD6GW	MSAEBU-12HRFN8-QRD6GW	MOX230-12HFN8-QRD6GW	2200W/10,5A	R32

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B3	MSAECU-18HRFNX-QRD0GW/MOX301-18HFN8-QRD0GW	MSAECU-18HRFNX-QRD0GW	MOX301-18HFN8-QRD0GW	2500W/13,0A	R32
B4	MSAEDU-24HRFNX-QRD0GW/MOX401-24HFN8-QRD0GW	MSAEDU-24HRFNX-QRD0GW	MOX401-24HFN8-QRD0GW	3700W/19,0A	R32
C1	MSVPBU-09HRFN8-QRD6GW/MOX230-09HFN8-QRD6GW	MSVPBU-09HRFN8-QRD6GW	MOX230-09HFN8-QRD6GW	2200W/10,5A	R32
C2	MSVPBU-12HRFN8-QRD6GW/MOX230-12HFN8-QRD6GW	MSVPBU-12HRFN8-QRD6GW	MOX230-12HFN8-QRD6GW	2200W/10,5A	R32

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Safety relevant (critical) components / Sicherheitsrelevante (kritische) Komponenten

Kind of component / Bauteil	Manufacturer / Hersteller	Mechanical, electrical and chemical specification / Mechanische, elektrische und chemische Spezifikation			Test report and/or mark from / Prüfbericht und /oder - zeichen von
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity
1. Power cord (Optional)	Guangdong Rifeng Electrical Cable Co., Ltd.	H07RN-F	3G 2,5 mm ²	EN 50525-2-21 DIN EN 50525-2-21	VDE
Alternative	Guangdong Huasheng Electrical Appliances Co., Ltd (Wasung)	H07RN-F	3G 2,5 mm ²	EN 50525-2-21 DIN EN 50525-2-21	VDE
Alternative	Guangzhou Panyu Cable Group Co., Ltd.	H07RN-F	3G 2,5 mm ²	EN 50525-2-21 DIN EN 50525-2-21	VDE
2. Interconnection cord (Optional)	Guangdong Huasheng Electrical Appliances Co., Ltd (Wasung)	H07RN-F	5G 1,5 mm ²	EN 50525-2-21 DIN EN 50525-2-21	VDE
Alternative	Guangdong Rifeng Electrical Cable Co., Ltd.	H07RN-F	5G 1,5 mm ²	EN 50525-2-21 DIN EN 50525-2-21	VDE
Alternative	Guangzhou Panyu Cable Group Co., Ltd.	H07RN-F	5G 1,5 mm ²	EN 50525-2-21 DIN EN 50525-2-21	VDE
3. Indoor terminal block for A1, A2, A3, A4, A5, A6	Nantong Huaguan Electric Co.,Ltd	JXW-5-M	450VAC; 4mm ²	EN/IEC 60335-2-40	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004	450VAC; 4mm ²	EN/IEC 60335-2-40	Tested with appliance
Alternative	Nantong Huaguan Electric Co.,Ltd	JXW-5-M	450VAC; 4mm ²	EN/IEC 60335-2-40	Tested with appliance
Alternative	Wenzhou Lizijia Electric Co., Ltd.	JXZ-2205B	450VAC; 4mm ²	EN/IEC 60335-2-40	Tested with appliance
Alternative	CHANGZHOU KAIDU ELECTRICAL CO LTD	JX-PF-5	250VAC; 4mm ²	EN/IEC 60335-2-40	Tested with appliance
Alternative	Wenzhou Lizijia Electric Co., Ltd.	JXZ-2205B	450VAC; 4mm ²	EN/IEC 60335-2-40	Tested with appliance

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Indoor terminal block for B1, B2, B3, B4, C1, C2	Nantong Huaguan Electric Co.,Ltd	JXW-5-R	600VAC; 4mm ²	EN/IEC 60335-2-40	Tested with appliance
Alternative	CHANGZHOU KAIDU ELECTRICAL CO LTD	JXG-5E	450VAC; 4mm ²	EN/IEC 60335-2-40	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2001C	300VAC; 25A	EN/IEC 60335-2-40	Tested with appliance
Alternative	Wenzhou Lizijia Electric Co., Ltd.	JXZ-2205E	450VAC; 4mm ²	EN/IEC 60335-2-40	Tested with appliance
Alternative	CHANGZHOU KAIDU ELECTRICAL CO LTD	JXG-5E	300VAC; 25A	EN/IEC 60335-2-40	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2001C	450VAC; 4mm ²	EN/IEC 60335-2-40	Tested with appliance
4. Indoor fan motor for A1, A2, A3, A4, B1, B2, C1, C2	Shishi Tongda Motor Co., Ltd.	ZKFP-20-8-6(ZYTM93-3100024A	DC310V,20W,ClassE	EN/IEC 60335-2-40	Tested with appliance
Alternative	JIANGSU SANJIANG ELECTRIC GROUP CO.,LTD	ZKFP-20-8-6-7(MDZW003/ZWD-20)	DC310V,20W,ClassE	EN/IEC 60335-2-40	Tested with appliance
Alternative	Guangdong Welling Motor Manufacturing Co., Ltd./ Welling	WZDK20-38G(ZKFP-20-8-6)	DC280V; 20W; Class E	EN/IEC 60335-2-40	Tested with appliance
Indoor fan motor for A5, B3	Guangdong Welling Motor Manufacturing Co., Ltd./ Welling	WZDK30-38G(RD-310-30-8T)	DC310V; 30W; Class E	EN/IEC 60335-2-40	Tested with appliance
Indoor fan motor for A6, B4	Guangdong Welling Motor Manufacturing Co., Ltd./ Welling	WZDK58-38G(ZKFP-58-8-1)	DC310V; 58W; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	ZHONGSHAN BROAD-OCEAN MOTOR CO., LTD	WZDK58-38G(ZKFP-58-8-1)	DC310V; 60W; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	NIDEC SHIBAURA(ZHEJIANG)CORP.	WZDK58-38G(ZKFP-58-8-1)	DC310V; 58W; Class E	EN/IEC 60335-2-40	Tested with appliance
5. Step motor I for A1, A2, A3, A4, B1, B2, B3, C1, C2	JIANGSU HUAYANG ELECTRIC CO.,LTD.	SM-24-19-16-8(MP24GA5)	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance

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Alternative	CHANGZHOU OUCK ELECTRIC CO.,LTD.	SM-24-19-16-8(MP24GA5)	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	Guangdong Whilip Intelligent Technology Co.,Ltd	SM-24-19-16-8(MP24GA5)	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	SHEN ZHEN CITY ONCETOP MOTOR MANUFACTURE CO.,LTD	SM-24-19-16-8(MP24GA5)/24BY J48-D1	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	Jiangsu Leili Motor Co.,Ltd.	SM-24-19-16-8(MP24GA5)	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	Hefei HuiLiPu motor co., LTD/HuiLiP	SM-24-19-16-8(MP24GA5)	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Step motor II for A1, A2, A3, A4, B1, B2, C1, C2 (Optional)	Huayang Intelligent Equipment Co.Ltd	SM-24-19-16-89	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	JIANGSU HUAYANG ELECTRIC CO.,LTD.	SM-24-19-16-89	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	Guangdong Whilip Intelligent Technology Co.,Ltd	SM-24-19-16-89	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	SHEN ZHEN CITY ONCETOP MOTOR MANUFACTURE CO.,LTD	SM-24-19-16-89	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	Jiangsu Leili Motor Co.,Ltd.	SM-24-19-16-89	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	Hefei HuiLiPu motor co., LTD/HuiLiP	SM-24-19-16-89	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Step motor III for C1, C2	Jiangsu Leili Motor Co.,Ltd.	SM-30-17-12-21	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	CHANGZHOU OUCK ELECTRIC CO.,LTD.	SM-30-17-12-21	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	Guangdong Whilip Intelligent Technology Co.,Ltd	SM-30-17-12-21	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	JIANGSU HUAYANG ELECTRIC CO.,LTD.	SM-30-17-12-21	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance

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Alternative	SHEN ZHEN CITY ONCETOP MOTOR MANUFACTURE CO.,LTD	SM-30-17-12-21	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	Hefei HuiLiPu motor co., LTD/HuiLiP	SM-30-17-12-21	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Step motor I for A5	JIANGSU HUAYANG ELECTRIC CO.,LTD.	SM-30-17-12-15	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	CHANGZHOU OUCK ELECTRIC CO.,LTD.	SM-30-17-12-15	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	Guangdong Whilip Intelligent Technology Co.,Ltd	SM-30-17-12-15	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	SHEN ZHEN CITY ONCETOP MOTOR MANUFACTURE CO.,LTD	SM-30-17-12-15	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	Jiangsu Leili Motor Co.,Ltd.	SM-30-17-12-15	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	Hefei HuiLiPu motor co., LTD/HuiLiP	SM-30-17-12-15	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Step motor I for A6	JIANGSU HUAYANG ELECTRIC CO.,LTD.	SM-30-17-12-14	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	Guangdong Whilip Intelligent Technology Co.,Ltd	SM-30-17-12-14(MP30EA10)	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	CHANGZHOU OUCK ELECTRIC CO.,LTD.	SM-30-17-12-14	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	HeFei Whilip Intelligent Technology Co.,Ltd	SM-30-17-12-14(30BYJ46-A08)	DC12V; Class A	EN/IEC 60335-2-40	Tested with appliance
Alternative	SHEN ZHEN CITY ONCETOP MOTOR MANUFACTURE CO.,LTD	SM-30-17-12-14	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	Jiangsu Leili Motor Co.,Ltd.	SM-30-17-12-14	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	Hefei HuiLiPu motor co., LTD/HuiLiP	SM-30-17-12-14	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance

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Step motor II for A5, A6, B3,	JIANGSU HUAYANG ELECTRIC CO.,LTD.	SM-24-19-16-42 /MP24GA16	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	CHANGZHOU OUCK ELECTRIC CO.,LTD.	SM-24-19-16-42 /MP24GA16	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	Guangdong Whilip Intelligent Technology Co.,Ltd	SM-24-19-16-42 /MP24GA16	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	SHEN ZHEN CITY ONCETOP MOTOR MANUFACTURE CO.,LTD	SM-24-19-16-42 /MP24GA16/24BYJ 48-D2	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	Jiangsu Leili Motor Co.,Ltd.	SM-24-19-16-42 /MP24GA16	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	Hefei HuiLiPu motor co., LTD/HuiLiP	SM-24-19-16-42 /MP24GA16	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Step motor I for B4	JIANGSU HUAYANG ELECTRIC CO.,LTD.	SM-24-19-16-18 /MP24GA22	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	Guangdong Whilip Intelligent Technology Co.,Ltd	SM-24-19-16-18 /MP24GA22	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	CHANGZHOU OUCK ELECTRIC CO.,LTD.	SM-24-19-16-18 /MP24GA22	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	SHEN ZHEN CITY ONCETOP MOTOR MANUFACTURE CO.,LTD	SM-24-19-16-18 /MP24GA22	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	Jiangsu Leili Motor Co.,Ltd.	SM-24-19-16-18 /MP24GA22	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	Hefei HuiLiPu motor co., LTD/HuiLiP	SM-24-19-16-18 /MP24GA22	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Step motor II for B4	JIANGSU HUAYANG ELECTRIC CO.,LTD.	SM-30-17-12-15	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	CHANGZHOU OUCK ELECTRIC CO.,LTD.	SM-30-17-12-15	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	Guangdong Whilip Intelligent Technology Co.,Ltd	SM-30-17-12-15	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	SHEN ZHEN CITY ONCETOP MOTOR	SM-30-17-12-15	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance

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	MANUFACTURE CO.,LTD				
Alternative	Jiangsu Leili Motor Co.,Ltd.	SM-30-17-12-15	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	Hefei HuiLiPu motor co., LTD/HuiLiP	SM-30-17-12-15	DC12V; Class E	EN/IEC 60335-2-40	Tested with appliance
6. Indoor controller for A1, A2, A3, A4, A5	Gd Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR26G/BP3N1Y-AB(0.5W).D.11.NP1-1	220-240VAC; 50Hz	EN/IEC 60335-2-40	Tested with appliance
Indoor controller for A6	Gd Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR53G/BP3N1Y-12TC(0.5w).D.11.NP1-1	220-240VAC; 50Hz	EN/IEC 60335-2-40	Tested with appliance
Indoor controller for B1, B2, B3, B4	Gd Midea Air-Conditioning Equipment Co., Ltd.	EU-KFR26G/BP3N1Y-AE.D.11.NP1-1	220-240VAC; 50Hz	EN/IEC 60335-2-40	Tested with appliance
Indoor controller for C	Gd Midea Air-Conditioning Equipment Co., Ltd.	CE-KFR35G/BP3N1Y-VP.D.11.NP1-1	220-240VAC; 50Hz	EN/IEC 60335-2-40	Tested with appliance
7. Indoor fuse for A1, A2, A3, A4, A5, B1, B2, B3, B4	Hollyland (China) Electronics Technology Corporation Limited.	50CT	T; 3,15A; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
Alternative	Dongguan Better Electronic Technology Co Ltd	334	T; 3,15AL; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
Alternative	Hollyland (China) Electronics Technology Corporation Limited.	50CT	T; 3,15AH; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
Alternative	Dongguan Better Electronic Technology Co Ltd	334T	T; 3,15A; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
Alternative	XuCheng Electronics (Shenzhen) Co., Ltd	4T	T; 3,15A; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
Alternative	Hollyland (Xiamen) Technology Corporation Limited	50CT	T; 3,15AH; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
Indoor fuse for A6, C1, C2	Hollyland (China) Electronics Technology Corporation Limited.	50CT	T; 5AH; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	SEMKO
Alternative	Hollyland (Xiamen) Technology	50CT	T; 5AH; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE

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	Corporation Limited				
Alternative	XC Electronics (ShenZhen) Corporation Limited	5H	T; 5A; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE
Alternative	Dongguan Better Electronic Technology Co Ltd	524	T; 5AH; 250VAC	EN/IEC 60127-1 EN/IEC 60127-2	VDE/SEM KO
8. Indoor relay I for A1, A2, A3, A4, A5, B1, B2, B3, B4, C1, C2	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM	20A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	VDE
Alternative	Zhejiang Meishuo Electric Technology Co.,LTD	MPY-S-112-A	20A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh
Alternative	Wangrong Electronics (shenzhen) Co., Ltd.	RF-SS-112DMF	20A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh/VDE
Alternative	Dongguan Churud Electronics Co., Ltd.	CHF-S-112DA2	20A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh
Alternative	Xiamen Hongfa Electroacoustic Co., Ltd.	HF102F/T-12VDC	20A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	VDE
Alternative	NINGBO TIANBO GANGLIAN ELECTRONICS CO.,LTD	TRAF-P D-12VDC-H IT6	20A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh
Indoor relay I for A6	Zhejiang Meishuo Electric Technology Co.,LTD	MPY-S-112-A	25A, 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh
Alternative	Sanyou Corporation Limited	SFK-112DM-E	25A, 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh
Alternative	Wangrong Electronics (shenzhen) Co., Ltd.	RF-SS-112DMF(RY/PCF-112D1M)	25A, 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh
Alternative	Wangrong Electronics (shenzhen) Co., Ltd.	RF-SS-112DMF(RY/PCF-112D1M)	25A, 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	VDE
Alternative	NINGBO TIANBO GANGLIAN ELECTRONICS CO.,LTD	TRAF-P D-12VDC-H IT6	25A, 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh
Alternative	Xiamen Hongfa Electroacoustic Co.,Ltd.	HF161F/12-HT(310)(414)	25A, 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh
Indoor relay II for A1, A2, A3, A4, A5	TYCO ELECTRONICS	PCJ-112D3MH-WG	5A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	VDE

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	(SHENZHEN) CO., LTD.				
Alternative	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-SH-112DM2	5A; 277VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh/VDE
Alternative	Zhejiang Meishuo Electric Technology Co.,LTD	MPR-S-112-A	5A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh
Alternative	Dongguan Churod Electronics Co., Ltd.	CHM-S-112DA3	5A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh
Alternative	Wangrong Electronics (Shenzhen) Co., Ltd.	RC-112DM1H	5A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh/VDE
Alternative	Xiamen Hongfa Electroacoustic Co., Ltd.	HF46F/12-HS1(335)	5A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	VDE
Indoor relay II for A6, B1, B2, B3, B4, C1, C2	Dongguan Sanyou Electrical Appliances Co., Ltd	SJ-SH-112DM2	5A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh/VDE
Alternative	Wangrong Electronics (shenzhen) Co., Ltd.	RJ-SS-112DM-S	5A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh
Alternative	Zhejiang Meishuo Electric Technology Co.,LTD	MPD-S-112-A	5A; 250VAC; operation cycles: 100000cycle; T85°C (TUV)	EN/IEC 61810-1	TUV Rh
Alternative	TYCO ELECTRONICS (SHENZHEN) CO., LTD.	OJE-SH-112DM	5A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh
Alternative	Dongguan Churod Electronics Co., Ltd.	A1-S-112DA	5A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh
Alternative	Xiamen Hongfa Electroacoustic Co., Ltd.	HF46F/12-HS1(335)	5A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	VDE
Alternative	Wangrong Electronics (Shenzhen) Co., Ltd.	RC-112DM1H	5A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh
9. Indoor X2 capacitor I for A1, A2, A3, A4, A5, B1, B2, B3, B4, C1, C2	GUANGDONG FENGMING ELECTRONIC TECH. CO., LTD.	MKP-X2	275VAC; 0,47μF; 40/110/56	EN/IEC 60384-14	VDE/ENE C
Alternative	Foshan City Xin Yuan Electronic Co.,Ltd	MKP-X2	AC275V; 0,47μF; 40/100/21	EN/IEC 60384-14	VDE
Alternative	Changzhou Jiaguan	MKP-X2	AC275/300V; 0,47μF; 40/110/21	EN/IEC 60384-14	VDE

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	electronics Co.,Ltd				
Alternative	XIAMEN FARATRONIC CO.,LTD.	MKP62	X2; AC275V; 0,47µF; 40/110/56	EN/IEC 60384-14	VDE
Alternative	KUNSHAN UTX VALUE ENTERPRISE CO.,LTD/Dong Guan Ultra New Tech Electronics Co., Ltd	HQX474K275N	275VAC; 0,47µF; 40/110/56	EN/IEC 60384-14	VDE
Alternative	OKAYA Electric Industries Co.,Ltd.	LE474-MX	AC310V; 50/60Hz; 0,47µF; T110°C	EN/IEC 60384-14	ENEC SE/0142-1
Alternative	ULTRA TECH XIPHI ENTERPRISE CO.,LTD	HQX	X2; 275VAC; 0,47µF; 40/110/56	EN/IEC 60384-14	VDE/ENE C
Alternative	Nistronics(Jiangxi) Co Ltd	MPRV0275K474M2 V8H210	X2; 275VAC; 0,47µF; 40/110/21	EN/IEC 60384-14	VDE
Alternative	HUZHOU YILI ELECTRONICS CO., LTD	EE922AA3224K169	275VAC; 0,47µF; T110°C	EN/IEC 60384-14	VDE
Indoor X2 capacitor II for A1, A2, A3, A4, A5, A6	XIAMEN FARATRONIC CO.,LTD.	MKP62	X2; AC275V; 0,033µF; 40/110/56	EN/IEC 60384-14	VDE
Alternative	ULTRA TECH XIPHI ENTERPRISE CO.,LTD	HQX	X2; 275VAC; 0,033µF; 40/110/56	EN/IEC 60384-14	VDE/ENE C
Alternative	GUANGDONG FENGMIN ELECTRONIC TECH. CO., LTD.	MKP-X2	275VAC; 0,033µF; 40/110/56	EN/IEC 60384-14	VDE/ENE C
Alternative	ULTRA TECH XIPHI ENTERPRISE CO.,LTD	HQX	X2; 250/275/280/300/305/310 VAC; 50/60Hz; 0,033µF; 40/110/56	EN/IEC 60384-14	VDE/ENE C
Alternative	Shanghai Xiangriya Electronic Co.,Ltd(Xry)	MPX/MKP X2	333M; 275VAC; T 85°C or above; X2	EN/IEC 60384-14	VDE
Alternative	Foshan City Xin Yuan Electronic Co.,Ltd,	MKP-X2	AC275V; 0,033µF; 40/100/21	EN/IEC 60384-14	VDE
Alternative	Nistronics(Jiangxi) Co Ltd	MPRV 0275K3330220H210	X2; AC275V; 0,033µF; 40/100/21	EN/IEC 60384-14	VDE
Indoor X2 capacitor III for A1, A2, A3, A4, A5, A6, B1, B2, B3, B4	GUANGDONG FENGMIN ELECTRONIC TECH. CO., LTD.	MKP-X2	275VAC; 0,1µF; 40/110/56	EN/IEC 60384-14	VDE/ENE C
Alternative	XIAMEN FARATRONIC CO.,LTD.	MKP62	X2; AC275V; 0,1µF; 40/110/56	EN/IEC 60384-14	VDE

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Alternative	OKAYA Electric Industries Co.,Ltd.	LE104-MX	AC310V; 50/60Hz; 0,1μF; T110°C	EN/IEC 60384-14	ENEC SE/0142-1
Alternative	Shanghai Xiangriya Electronic Co.,Ltd(Xry)	MPX/MKP X2	104K; 275VAC; T 85°C or above; X2	EN/IEC 60384-14	VDE
Alternative	ULTRA TECH XIPI ENTERPRISE CO.,LTD	HQX	X2; 275VAC; 0,1μF; 40/110/56/B	EN/IEC 60384-14	VDE/ENE C
Alternative	Foshan City Xin Yuan Electronic Co.,Ltd	MKP-X2	AC275V; 0,1μF; 40/100/21	EN/IEC 60384-14	VDE
Alternative	ULTRA TECH XIPI ENTERPRISE CO.,LTD	HQX	X2; 250/275/280/300/305/310 VAC; 50/60Hz; 0,1μF; 40/110/56	EN/IEC 60384-14	VDE/ENE C
Alternative	Nistricon(Jiangxi) Co Ltd	MPRV0275K104M0 00H210	X2; 275VAC; 0,1μF; 40/100/21	EN/IEC 60384-14	VDE
10. Indoor varistor	GUANGXI NEW FUTURE INFORMATION INDUSTRY CO.,LTD.	NFC14D681KM/NF C14D681K	680V; 50A; T85°C	IEC 61051-1 IEC 61051-2 IEC 61051-2-2	VDE
Alternative	ShenZhen ChenJu Electric Technology Co., Ltd	14D681K-M /14D681K/CNJU14 D681KM	680V; 50A; T85°C	IEC 61051-1 IEC 61051-2 IEC 61051-2-2	VDE
Alternative	SUCCESS ELECTRONICS (HUIZHOU) CO., LTD	SVR14D681K	680V; T125°C	IEC 61051-1 IEC 61051-2 IEC 61051-2-2	VDE
Alternative	GUANGDONG WELKIN THINKING ELECTRONIC CO.,LTD	TVR14681 /TVR14681	680V; T85°C	IEC 61051-1 IEC 61051-2 IEC 61051-2-2	VDE
Alternative	Nanjing Shagon Electronics Co.,Ltd	MYG14K681N/MYG 14K681	680V; T85°C	IEC 61051-1 IEC 61051-2 IEC 61051-2-2	TUV SUD
Alternative	Chengdu Tieda Electronic Co., Ltd.	MYN15-681K/MYN15-681K	680V; 50A; T125°C	IEC 61051-1 IEC 61051-2 IEC 61051-2-2	VDE
Alternative	NANJING SHAGON ELECTRONICS CO.,LTD	MYG14K681N	680V, T125°C	IEC 61051-1 IEC 61051-2 IEC 61051-2-2	VDE
Alternative	Huizhou songlong lishang electronics co. LTD.	VDR-14D681KJ	680V; T85°C	IEC 61051-1 IEC 61051-2 IEC 61051-2-2	VDE
11. Indoor optocoupler I	Wuxi China Resources Semico Co., Ltd.	HK817B	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN/IEC 60335-2-40	Tested with appliance
Alternative	SHARP CORP ELECTRONIC COMPONENTS GROUP	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN/IEC 60335-2-40	Tested with appliance

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Alternative	Everlight Electronics.,Ltd.	EL816	IF:60 mA; IFM:1A; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN/IEC 60335-2-40	Tested with appliance
Alternative	LITE-ON ELECTRONICS, INC.	816 B	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN/IEC 60335-2-40	Tested with appliance
Indoor optocoupler II	Everlight Electronics.,Ltd.	EL851	IF:60 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:7V; IC:50mA	EN/IEC 60335-2-40	Tested with appliance
Alternative	SHARP CORP ELECTRONIC COMPONENTS GROUP	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN/IEC 60335-2-40	Tested with appliance
Alternative	Toshiba Semiconductor Company	P628	IF:60 mA; IFP:1A; VR: 5V; VCEO:350V; VECO:7V; IC:50mA	EN/IEC 60335-2-40	Tested with appliance
Alternative	LITE-ON ELECTRONICS, INC.	851MD or 851	IF:60 mA; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN/IEC 60335-2-40	Tested with appliance
Alternative	Wuxi China Resources Semico Co., Ltd.	HK851Y	IF:50 mA;VR: 6V; VCEO:350V; VECO:7V; IC:50mA	EN/IEC 60335-2-40	Tested with appliance
12. Indoor electrolytic capacitor	Capxon Electronic (Shen-Zhen) Co., Ltd.	UJ	82µF; 450V; 105°C	EN/IEC 60335-2-40	Tested with appliance
Alternative	Hunan Aihua Group CO.,LTD.	LH	450V; 82µF; 105°C	EN/IEC 60335-2-40	Tested with appliance
Alternative	SHENZHEN JIANGHAO ELECTRONICS CO.,LTD.	CD289A	450V; 82µF; VENT 105°C	EN/IEC 60335-2-40	Tested with appliance
Alternative	EPCOS (Xiamen) Co., Ltd.	B3252-S5826-M1	450V; 82µF; VENT 105°C	EN/IEC 60335-2-40	Tested with appliance
Alternative	SAMXON ELECTRONICS (DONGGUAN) CO.,LIMITED	HP	82µF; 450V; 105°C	EN/IEC 60335-2-40	Tested with appliance
Alternative	NICHICON CORPORATION CO.,LTD	GG(M)	400VAC or 450VAC; 82µF; VENT 105°C	EN/IEC 60335-2-40	Tested with appliance
13. Indoor bridge rectifier	MICROSEMI SHANGHAI CO.,LTD.	GBU410	1000V; 4A	EN/IEC 60335-2-40	Tested with appliance
Alternative	PANJIT INTERNATIONAL INC.	GBU4M	1000V; 4A	EN/IEC 60335-2-40	Tested with appliance
Alternative	Jiangsu Dongchen Electronics Technology Co.,Ltd,	GBU410	1000V; 4A	EN/IEC 60335-2-40	Tested with appliance
Alternative	Leshan Radio Company, Ltd.	GBU4K	1000V; 4A	EN/IEC 60335-2-40	Tested with appliance

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Alternative	Taiwan Semiconducor	GBU407	1000V; 4A	EN/IEC 60335-2-40	Tested with appliance
Alternative	HuiXin Electronics Technology Co.,Ltd.	GBU410	1000V; 4A	EN/IEC 60335-2-40	Tested with appliance
Alternative	Lite-On Semiconductor Corp.	GBU410	1000V; 4A	EN/IEC 60335-2-40	Tested with appliance
Alternative	Suzhou Good-Ark Electronics Co. Ltd	GBU410	1000V; 4A	EN/IEC 60335-2-40	Tested with appliance
Alternative	Yangzhou Yangjie Electronic Technology Co.,Ltd.	GBU410A	1000V; 4A	EN/IEC 60335-2-40	Tested with appliance
Alternative	LESHAN SHARE ELECTRONIC CO.,LTD	GBU410	1000V; 4A	EN/IEC 60335-2-40	Tested with appliance
14. Indoor transformer	HeFei Phoenix Electronics Technology Co.,LTD	E22084	EE22; input:212,1-373,3VDC; output:12-21V; 12V/1000mA; 18,5-19,5V/200mA; Class B	EN/IEC 60335-2-40	Tested with appliance
Alternative	HUI ZHOU JIA YANG CORE NEW-TECH CO.,LTD WU HAN CHEN YANG CORE NEW-TECH CO.,LTD	E22084(EE22(5+5) 2/P4-1.52L2)	EE22; input:212,1-373,3VDC; output:12-21V; 12V/1000mA; 18,5-19,5V/200mA; Class B	EN/IEC 60335-2-40	Tested with appliance
Alternative	Zhongshan Coin Electronics Co.,Ltd.(Maansha n Coiner Electronics Co Ltd).	E22084(EE22(5+5) 2/P4-1.52L2)	EE22;input:212.1~373.3VDC;output:12~21V;12V/1000 mA;18.5-19.5V/200mA CLASS B	EN/IEC 60335-2-40	Tested with appliance
Alternative	GUANGXI RONGXIAN JEWEL ELECTRONIC CO.,LTD	E22084	EE22; input:212,1-373,3VDC; output:12-21V; 12V/1000mA; 18,5-19,5V/200mA; Class B	EN/IEC 60335-2-40	Tested with appliance
15. Plasma generator for A1, A2, A3, A4, B3 (optional)	ZHENJIANG HANBANG TECHNOLOGY CO.,LTD.	ZFLZ-10 (HB-202D24)	220-240V; 50/60Hz; ≤1W	EN/IEC 60335-2-65	TUV SUD
Alternative	DONGGUAN NANBAI Electronic technology co. LTD	ZFLZ-10(NB-S)	180-250V; 50/60Hz; ≤1W	EN/IEC 60335-2-65	TUV SUD
Plasma generator for B1, B2, C1, C2 (optional)	DONGGUAN NANBAI Electronic technology co. LTD	ZFLZ-07(NB-S)	180-250V; 50/60Hz; ≤1W	EN/IEC 60335-2-65	TUV SUD

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Alternative	DONGGUAN NANBAI Electronic technology co. LTD	ZFLZ-07(NB-G)	180-250V; 50/60Hz; ≤1W	EN/IEC 60335-2-65	TUV SUD
Alternative	ZHENJIANG HANBANG TECHNOLOGY CO.,LTD.	ZFLZ-07(HB-202D10)	220-240V; 50/60Hz; ≤1W	EN/IEC 60335-2-65	TUV SUD
Plasma generator for A5, A6	ZHENJIANG HANBANG TECHNOLOGY CO.,LTD.	ZFLZ-08(HB-202D10)	220-240V; 50/60Hz; ≤1W	EN/IEC 60335-2-65	TUV SUD
Alternative	DONGGUAN NANBAI Electronic technology co. LTD	ZFLZ-07(NB-A)	180-250V; 50/60Hz; ≤1W	EN/IEC 60335-2-65	TUV SUD
Plasma generator for B4	ZHENJIANG HANBANG TECHNOLOGY CO.,LTD.	ZFLZ-11(HB-202D25)	220-240V; 50/60Hz; ≤1W	EN/IEC 60335-2-65	TUV SUD
Alternative	DONGGUAN NANBAI Electronic technology co. LTD	ZFLZ-11	180-250V; 50/60Hz; ≤1W	EN/IEC 60335-2-65	TUV SUD
16. Outdoor terminal block	CHANGZHOU KAIDU ELECTRICAL CO LTD	JX-B6	450VAC; 4mm ²	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	Tested with appliance
Alternative	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	YF2004A	660VAC; 4mm ²	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	Tested with appliance
Alternative	Wenzhou Lizijia Electric Co., Ltd.	JXZ-1206A	660VAC; 4mm ²	Foshan Shunde Yuanfeng Metal Electrictrical Appliances Co.,Ltd.	Tested with appliance
17. Compressor for A1, A2, A3, A4, B1, B2, C1, C2	Guangdong Meizhi Compressor Co., Ltd. (GMCC)	KSN98D64UFZ3	275VDC; at 180Hz; R32	EN/IEC 60335-2-40	Tested with appliance
Compressor for A5, B3	Guangdong Meizhi Compressor Co., Ltd.(GMCC)	KSN140D21UFZ	160VDC; at 180Hz; R32	EN/IEC 60335-2-40	Tested with appliance
Compressor for A6, B4	Guangdong Meizhi Compressor Co., Ltd.(GMCC)	KTM240D57UMT	156VDC; at 180Hz; R32	EN/IEC 60335-2-40	Tested with appliance
18. Outdoor fan motor for A1, A2, A3, A4, A5, B1, B2, B3, C1, C2	Shishi Tongda Motor Co., Ltd.	ZKFN-34-10-1	DC310V; 34W; Class E	EN/IEC 60335-2-40	Tested with appliance

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Alternative	Guangdong Welling Motor Manufacturing Co., Ltd.	ZKFN-34-10-1	DC310V; 34W; Class B	EN/IEC 60335-2-40	Tested with appliance
Alternative	ZHONGSHAN BROAD-OCEAN MOTOR CO.,LTD.	ZKFN-34-10-1	DC310V; 34W; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	NIDEC SHIBAURA(ZHEJIANG)CORP.	ZKFN-34-10-1	DC310V; 34W; Class E	EN/IEC 60335-2-40	Tested with appliance
Outdoor fan motor for A6, B4	Guangdong Welling Motor Manufacturing Co., Ltd.	WZDK80-38G-W(A)(RDN-310-80-8B)	DC310V; 80W; Class E	EN/IEC 60335-2-40	Tested with appliance
Alternative	ZHONGSHAN BROAD-OCEAN MOTOR CO., LTD	WZDK80-38G-W(A) (ZW511B511)	DC310V; 80W; Class E	EN/IEC 60335-2-40	Tested with appliance
19. 4-way valve for A1, A2, A3, A4, A5, B1, B2, B3, C1, C2	ZHEJIANG DUNAN HETIAN METAL CO.,LTD	DSF-4-R410A	AC220-240V; 50/60Hz; 7/5W; Class B	EN/IEC 60730-1	VDE
Alternative	OKAYAMA SEIKO (ZHONGSHAN) CO.,LTD.	DSF-C4-23-1/STF-01N1 VHR	AC220-240V; 4,5/3.5W; 50/60Hz; IP54	EN/IEC 60730-1	VDE
Alternative	ZHONGSHAN CITY GANGLI REFRIGERATION FITTINGS CO.,LTD.	SHF-4 R410A	AC220-240V; 50/60Hz; 4,5/3,5W; Class B	EN/IEC 60730-1	VDE
Alternative	Zhejiang Dun'an Artificial Environment Co. Ltd.,	DSF-4-R410A	AC220-240V; 50/60Hz; 7/5W; Class B	EN/IEC 60730-1	VDE
Alternative	Zhejiang Sanhua Climate & Appliance Controls Group Co.,Ltd	SHF-4H-23U-PM or SHF-4H-23U-P	AC220-240V; 50/60Hz; 4,5/3,5W; Class F	EN/IEC 60730-1	VDE
4-way valve for A5, B3	ZHONGSHAN CITY GANGLI REFRIGERATION FITTINGS CO.,LTD.	SHF-7 R410A	AC220-240V; 50/60Hz; 4.5/3.5W; Class B	EN/IEC 60730-1	VDE
Alternative	ZHEJIANG DUNAN HETIAN METAL CO.,LTD	DSF-9-R410A	AC220-240V; 50/60Hz; 7/5W; Class B	EN/IEC 60730-1	VDE
Alternative	Zhejiang Sanhua Climate & Appliance Controls Group Co.,Ltd	SHF-7H-34U-P	AC220-240V; 50/60Hz; 4,5/3,5W; Class F	EN/IEC 60730-1	VDE
4-way valve for A6, B4	ZHONGSHAN CITY GANGLI REFRIGERATION FITTINGS CO.,LTD.	SHF-7 R410A	AC220-240V; 50/60Hz; 4,5/3,5W; Class B	EN/IEC 60730-1	VDE

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Alternative	ZHEJIANG DUNAN HETIAN METAL CO.,LTD	DSF-9-R410A	AC220-240V; 50/60Hz; 7/5W; Class B	EN/IEC 60730-1	VDE
Alternative	OKAYAMA COPPER(HONG KONG) CO.,LTD.	STF-02BN1(VHR)	AC220-240V; 50/60Hz; 4,5/3,5W; Class B	EN/IEC 60730-1	VDE
Alternative	Zhejiang Sanhua Climate & Appliance Controls Group Co.,Ltd	SHF-7H-34U-P	AC220-240V; 50/60Hz; 4,5/3,5W; Class F	EN/IEC 60730-1	VDE
20. Outdoor controller for A1, A2, A3, A4, A5, B1, B2, B3, C1, C2	Gd Midea Air-Conditioning Equipment Co., Ltd.	KFR-35W/BP3N-(RX24Tmini+STR6 A161+GIB10CH60T S-L+TPD4204F).D.13. WP2-1	220-240VAC; 50Hz	EN/IEC 60335-2-40	Tested with appliance
Outdoor controller for A6, B4	Gd Midea Air-Conditioning Equipment Co., Ltd.	KFR-72W/BP3-(RX24Tmini+6A161+PSS30S92F6-AG+6822+LMSR).D.13.WP2-1	220-240VAC; 50Hz	EN/IEC 60335-2-40	Tested with appliance
21. Outdoor transformer	HUIZHOU JAYYANG ELECTRONIC CORE NEW-TECH CO.,LTD	EE22(5+4)3P4-1.1L5	Input:110V~264V; Output:12V±5%/800mA/(12W); 12V±5%/400mA/(6W); 15V±5%/100mA	EN/IEC 60335-2-40	Tested with appliance
Alternative	Foshan city Shunde District zhanliang Industrial Co. Ltd	EE22(5+4)3P4-1.1L5	Input:110V~264V; Output:12V±5%/800mA/(12W); 12V±5%/400mA/(6W); 15V±5%/100mA	EN/IEC 60335-2-40	Tested with appliance
Alternative	WEIMEI ELECTRONICS FACTORY DONG GUAN CITY(WM)	EE22(5+4)3P4-1.1L5	Input:110V~264V; Output:12V±5%/800mA/(12W); 12V±5%/400mA/(6W); 15V±5%/100mA	EN/IEC 60335-2-40	Tested with appliance
Alternative	GUANGXI RONGXIAN JEWEL ELECTRONIC CO.,LTD	EE22(5+4)3P4-1.1L5	Input:110V~264V; Output:12V±5%/800mA/(12W); 12V±5%/400mA/(6W); 15V±5%/100mA	EN/IEC 60335-2-40	Tested with appliance
Alternative	Mingguang City Ruichuang Electrica Co Ltd	EE22(5+4)3P4-1.1L5	Input:110V~264V; Output:12V±5%/800mA/(12W); 12V±5%/400mA/(6W); 15V±5%/100mA	EN/IEC 60335-2-40	Tested with appliance
22. Outdoor fuse for A1, A2, A3, A4, A5, B1, B2, B3, C1, C2	Dongguan Better Electronic Technol ogy Co Ltd	614	T; 20AL; 250VAC	EN/IEC 60335-2-40	Tested with appliance
Alternative	Shanghai Songshan Electronics Co.,Ltd	326	T; 20A; 250VAC	EN/IEC 60335-2-40	Tested with appliance

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Alternative	Hollyland (Xiamen) Technology Corporation Limited/Hollyland (China) Electronics Technology Corporation Ltd	65TS	T; 20A; 250VAC	EN/IEC 60335-2-40	Tested with appliance
Alternative	XuCheng Electronics (Shenzhen) Co., Ltd	6H	T; 20A; 250VAC	EN/IEC 60335-2-40	Tested with appliance
Alternative	Dongguan Better Electronic Technology Co Ltd	614	T; 20A; 250VAC	EN/IEC 60335-2-40	Tested with appliance
Outdoor fuse for A6, B4	Hollyland (China) Electronics Technology Corporation Limited.	65TS	T; 30AH; 250VAC	EN/IEC 60335-2-40	Tested with appliance
Alternative	Hollyland (Xiamen) Technology Corporation Limited	65TS	T; 30A; 250VAC	EN/IEC 60335-2-40	Tested with appliance
Alternative	Dongguan Better Electronic Technology Co Ltd	614	T; 30A; 250V	EN/IEC 60335-2-40	Tested with appliance
Alternative	XuCheng Electronics (Shenzhen) Co., Ltd	6H	T; 30A; 250VAC	EN/IEC 60335-2-40	Tested with appliance
23. Outdoor relay I	Dongguan Sanyou Electrical Appliances Co., Ltd	SRB-SH-112DM2	5A; 277VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh/VDE
Alternative	TYCO ELECTRONICS (SHENZHEN) CO., LTD./TE Connectivity	PCJ-112D3MH-WG	5A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	VDE
Alternative	Wangrong Electronics (Shenzhen) Co., Ltd.	RC-112DM1H	5A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	VDE
Alternative	Zhejiang Meishuo Electric Technology Co.,LTD	MPR-S-112-A	5A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh
Alternative	Dongguan Churod Electronics Co., Ltd.	CHM-S-112DA3	5A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh
Outdoor relay II for A1, A2, A3, A4, A5, B1, B2, B3, C1, C2	Wangrong Electronics (shenzhen) Co., Ltd.	RMIH-SS-112LM-S/RMIH-SS-112LM	16A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh

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Alternative	Dongguan Churod Electronics Co., Ltd.	CHZ02-S-112LA2	16A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh
Alternative	Dongguan Sanyou Electrical Appliances Co., Ltd	SMIH-SH-112LM	17A; 277VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	VDE
Alternative	Zhejiang Meishuo Electric Technology Co.,LTD	MPJ-S-112-A-2	16A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh
Alternative	TYCO ELECTRONICS (SHENZHEN) CO., LTD./TE Connectivity	OMIH-SH-112LM	16A; 240VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh
Outdoor relay II for A6, B4	Wangrong Electronics (Shenzhen) Co., Ltd.	PF-SS-112DM	25A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh
Alternative	Zhejiang Meishuo Electric Technology Co.,LTD	MPY-S-112-A-P	20A/250VAC; 25A/250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	TUV Rh
Alternative	Dongguan Sanyou Electrical Appliances Co., Ltd	SFK-112DM-E	25A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	VDE
Alternative	Sanyou Corporation Limited	SFK-112DMP-E	25A; 250VAC; operation cycles: 100000cycle; T85°C	EN/IEC 61810-1	VDE
24. Outdoor X2 capacitor I	ULTRA TECH XIPIH ENTERPRISE CO.,LTD	HQX	X2; 310VAC; 1,5µF; 40/110/56	EN/IEC 60384-14	VDE
Alternative	ULTRA TECH XIPIH ENTERPRISE CO.,LTD	HQX	X2; 310VAC; 1,5µF; 40/110/56	EN/IEC 60384-14	ENEC
Alternative	XIAMEN FARATRONIC CO.,LTD.	MKP62	X2; AC275V; 1,5µF; 40/110/56	EN/IEC 60384-14	VDE
Alternative	Foshan City Xin Yuan Electronic Co.,Ltd	MKP-X2	AC275V; 1,5µF; 40/100/21	EN/IEC 60384-14	VDE
Alternative	Changzhou Jiaguan electronics Co.,Ltd	MKP-X2	AC275/300V; 1,5µF; 40/110/21	EN/IEC 60384-14	VDE
Alternative	Shanghai Xiangriya Electronic Co.,Ltd(Xry)	MPX/MKP X2	155M; 275VAC; T 85°C or above; X2	EN/IEC 60384-14	VDE
Alternative	GUANGDONG FENGMING ELECTRONIC TECH. CO., LTD.	MKP-X2	275VAC; 1,5µF; 40/110/56	EN/IEC 60384-14	VDE

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Alternative	Nistronics(Jiangxi) Co Ltd	MPRC 0275K155C000003 7	X2; 275VAC; 1,5µF; 40/100/21	EN/IEC 60384-14	VDE
Alternative	Changzhou Jiaguan Electronics Co., LTD.	MKPX2- 275/300VAC-155K P22.5	275/300V; 155K; 110°C	EN/IEC 60384-14	VDE
Outdoor X2 capacitor II	ULTRA TECH XIPHI ENTERPRISE CO.,LTD	HQX	X2; 275VAC; 0,47µF; 40/110/56	EN/IEC 60384-14	VDE
Alternative	ULTRA TECH XIPHI ENTERPRISE CO.,LTD	HQX	X2; 275VAC; 0,47µF; 40/110/56	EN/IEC 60384-14	ENEC
Alternative	OKAYA Electric Industries Co.,Ltd.	LE474-MX	AC310V; 50/60Hz; 0,47µF; T110°C	EN/IEC 60384-14	ENEC
Alternative	OKAYA Electric Industries Co.,Ltd.	LE474-MX	AC310V; 50/60Hz; 0,47µF; T110°C	EN/IEC 60384-14	SE/0142-1
Alternative	XIAMEN FARATRONIC CO.,LTD.	MKP62	X2; AC275V; 0,47µF; 40/110/56	EN/IEC 60384-14	VDE
Alternative	Foshan City Xin Yuan Electronic Co.,Ltd	MKP-X2	AC275V; 0,47µF; 40/100/21	EN/IEC 60384-14	VDE
Alternative	Changzhou Jiaguan electronics Co.,Ltd	MKP-X2	AC275/300V; 0,47µF; 40/110/21	EN/IEC 60384-14	VDE
Alternative	Shanghai Xiangriya Electronic Co.,Ltd(Xry)	MPX/MKP X2	474M; 275VAC; T85°C or above; X2	EN/IEC 60384-14	VDE
Alternative	GUANGDONG FENGMIN ELECTRONIC TECH. CO., LTD.	MKP-X2	275VAC; 0,47µF; 40/110/56	EN/IEC 60384-14	VDE
Alternative	Nistronics(Jiangxi) Co Ltd	MPRV0275K474M2 V8H210	X2; 275VAC; 0,47µF; 40/100/21	EN/IEC 60384-14	VDE
Alternative	HUZHOU YILI ELECTRONICS CO., LTD	EE922AA3224K169	0,47µF; 275VAC; T85°C	EN/IEC 60384-14	VDE
Alternative	Dong Guan Ultra New Tech Electronics Co., Ltd KUNSHAN UTX VALUE ENTERPRISE CO.,LTD	HQX474K275	275VAC; 0,47µF; T100°C	EN/IEC 60384-14	VDE
Outdoor X2 capacitor III	ULTRA TECH XIPHI ENTERPRISE CO.,LTD	HQX	X2; 275Vac; 0,1µF; 40/110/56/	EN/IEC 60384-14	VDE
Alternative	ULTRA TECH XIPHI ENTERPRISE CO.,LTD	HQX	X2; 275Vac; 0,1µF; 40/110/56/	EN/IEC 60384-14	ENEC

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Alternative	OKAYA Electric Industries Co.,Ltd.	LE104-MX	AC310V; 50/60Hz; 0,1μF; T110°C	EN/IEC 60384-14	ENEC
Alternative	OKAYA Electric Industries Co.,Ltd.	LE104-MX	AC310V; 50/60Hz; 0,1μF; T110°C	EN/IEC 60384-14	SE/0142-1
Alternative	XIAMEN FARATRONIC CO.,LTD.	MKP62	X2; AC275V; 0,1μF; 40/110/56	EN/IEC 60384-14	VDE
Alternative	Foshan City Xin Yuan Electronic Co.,Ltd,	MKP-X2	AC275V; 0,1μF; 40/100/21	EN/IEC 60384-14	VDE
Alternative	Shanghai Xiangriya Electronic Co.,Ltd(Xry)	MPX/MKP X2	104K; 275VAC; T85°C or above; X2	EN/IEC 60384-14	VDE
Alternative	GUANGDONG FENGMING ELECTRONIC TECH. CO., LTD.	MKP-X2	275VAC; 0,1μF; 40/110/56	EN/IEC 60384-14	VDE
Alternative	Nistronics(Jiangxi) Co Ltd	MPRV0275K104M0 00H210	X2; 275VAC; 0,1μF; 40/110/21	EN/IEC 60384-14	VDE
Outdoor X2 capacitor IIII for A1, A2, A3, A4, A5, B1, B2, B3, C1, C2	Foshan City Xin Yuan Electronic Co.,Ltd,	MKP-X2	AC275V; 0,033μF; 40/100/21	EN/IEC 60384-14	VDE
Alternative	Shanghai Xiangriya Electronic Co.,Ltd(Xry)	MPX/MKP X2	333M; 275VAC; T 85°C or above; X2	EN/IEC 60384-14	VDE
Alternative	XIAMEN FARATRONIC CO.,LTD.	MKP62	X2; AC 275V; 0,033μF; M; 40/110/56; B	EN/IEC 60384-14	VDE
Alternative	ULTRA TECH XIPIH ENTERPRISE CO.,LTD	HQX	X2; 275VAC; 0,033μF; 40/110/56/B K	EN/IEC 60384-14	VDE/ENE C
Alternative	GUANGDONG FENGMING ELECTRONIC TECH. CO., LTD.	MKP-X2	275VAC; 0,033μF; 40/110/56	EN/IEC 60384-14	VDE
Alternative	Nistronics(Jiangxi) Co Ltd	MPRV 0275K3330220H21 0	X2; 275VAC; 0,033μF; 40/100/21	EN/IEC 60384-14	VDE
25. Outdoor varistor	GUANGXI NEW FUTURE INFORMATION INDUSTRY CO.,LTD.	NFC14D621K /NFC14D621K	620V; 50A; T85°C	IEC 61051-1 IEC 61051-2 IEC 61051-2-2	VDE
Alternative	ShenZhen ChenJu Electric Technology Co., Ltd	14D621K/CNJU 14D621K	620V; 50A; T85°C	IEC 61051-1 IEC 61051-2 IEC 61051-2-2	VDE
Alternative	PT. Panasonic Industrial Devices Batam	E11621	558-682V; 50A; T85°C	IEC 61051-1 IEC 61051-2 IEC 61051-2-2	VDE

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Alternative	Chengdu Tieda Electronic Co., Ltd.	MYN15-621K/MYN15-621K	620V; 50A; T125°C	IEC 61051-1 IEC 61051-2 IEC 61051-2-2	VDE
Alternative	Guangdong Fenghua Advanced Technology(holdin g) Co.,Ltd	FNR-14K621/FNR-14K621TBT	558-682V; T85°C	IEC 61051-1 IEC 61051-2 IEC 61051-2-2	VDE
Alternative	Huizhou songlong lishang electronics co. LTD.	VDR-14D621K	620V; T85°C	IEC 61051-1 IEC 61051-2 IEC 61051-2-2	VDE
26. Outdoor optocoupler I	LITE-ON ELECTRONICS, INC.	816 B	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN/IEC 60335-2-40	Tested with appliance
Alternative	SHARP CORP ELECTRONIC COMPONENTS GROUP	PC817	IF:50 mA; IFM:1A;VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN/IEC 60335-2-40	Tested with appliance
Alternative	Wuxi China Resources Semico Co., Ltd.	HK817B	IF:50 mA; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN/IEC 60335-2-40	Tested with appliance
Alternative	Everlight Electronics.,Ltd.	EL816	IF:60 mA; IFM:1A; VR: 6V; VCEO:80V; VECO:6V; IC:50mA	EN/IEC 60335-2-40	Tested with appliance
Outdoor optocoupler II	Toshiba Semiconductor Company	P628	IF:60 mA; IFP:1A; VR: 5V; VCEO:350V; VECO:7V; IC:50mA	EN/IEC 60335-2-40	Tested with appliance
Alternative	LITE-ON ELECTRONICS, INC.	851MD or 851	IF:60 mA; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN/IEC 60335-2-40	Tested with appliance
Alternative	Wuxi China Resources Semico Co., Ltd.	HK851Y	IF:50 mA;VR: 6V; VCEO:350V; VECO:7V; IC:50mA	EN/IEC 60335-2-40	Tested with appliance
Alternative	Everlight Electronics.,Ltd.	EL851	IF:60 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:7V; IC:50mA	EN/IEC 60335-2-40	Tested with appliance
Alternative	SHARP CORP ELECTRONIC COMPONENTS GROUP	PC851	IF:50 mA; IFM:1A; VR: 6V; VCEO:350V; VECO:6V; IC:50mA	EN/IEC 60335-2-40	Tested with appliance
27. Outdoor bridge rectifier for A1, A2, A3, A4, B1, B2, C1, C2	Shindengen Electric Mfg. Co.,Ltd.	D25X100	1000V; 25A	EN/IEC 60335-2-40	Tested with appliance
Alternative	Suzhou Good-Ark Electronics Co. Ltd	GBJ25M	1000V; 25A	EN/IEC 60335-2-40	Tested with appliance
Alternative	Lite-On Semiconductor Corp.	GBJ2510-F or GBJ2510	1000V; 25A	EN/IEC 60335-2-40	Tested with appliance
Alternative	LESHAN SHARE ELECTRONIC CO.,LTD	D25SB100	1000V; 25A	EN/IEC 60335-2-40	Tested with appliance

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Alternative	MICROSEMI SHANGHAI CO.,LTD.	GBJ25J	1000V; 25A	EN/IEC 60335-2-40	Tested with appliance
Alternative	HuiXin Electronics Technology Co.,Ltd.	GBJ2510	1000V; 25A	EN/IEC 60335-2-40	Tested with appliance
Alternative	Taiwan Semiconducior	TS25P07G	1000V; 25A	EN/IEC 60335-2-40	Tested with appliance
Alternative	Yangzhou Yangjie Electronic Technology Co.,Ltd.	GBJ2510	1000V; 25A	EN/IEC 60335-2-40	Tested with appliance
Alternative	Jiangsu Dongchen Electronics Technology Co.,Ltd,	GBJ2510	1000V; 25A	EN/IEC 60335-2-40	Tested with appliance
Alternative	Leshan Radio Company, Ltd.	D25SB100	1000V; 25A	EN/IEC 60335-2-40	Tested with appliance
Outdoor bridge rectifier for A5, A6, B3, B4	LESHAN SHARE ELECTRONIC CO.,LTD	D35SB100A	1000V; 35A	EN/IEC 60335-2-40	Tested with appliance
Alternative	PANJIT INTERNATIONAL INC.	KBJ3510	1000V; 35A	EN/IEC 60335-2-40	Tested with appliance
Alternative	HuiXin Electronics Technology Co.,Ltd.	GBJ3510	1000V; 35A	EN/IEC 60335-2-40	Tested with appliance
Alternative	Lite-On Semiconductor Corp.	GBJ3510	1000V; 35A	EN/IEC 60335-2-40	Tested with appliance
Alternative	MICROSEMI SHANGHAI CO.,LTD.	GBJ35M	1000V; 35A	EN/IEC 60335-2-40	Tested with appliance
Alternative	Suzhou Good-Ark Electronics Co. Ltd	GBJ35M	1000V; 35A	EN/IEC 60335-2-40	Tested with appliance
Alternative	Jiangsu Dongchen Electronics Technology Co.,Ltd,	GBJ3510	1000V; 35A	EN/IEC 60335-2-40	Tested with appliance
Alternative	Taiwan Semiconducior	TS35P07G	1000V; 35A	EN/IEC 60335-2-40	Tested with appliance
Alternative	Yangzhou Yangjie Electronic Technology Co.,Ltd.	GBJ3510	1000V; 35A	EN/IEC 60335-2-40	Tested with appliance
28. Outdoor electrolytic capacitor for	EPCOS (Xiamen) Co., Ltd.	B43252-S5477-M7	450V; 470µF; VENT 105°C	EN/IEC 60335-2-40	Tested with appliance

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A1, A2, A3, A4, B1, B2, C1, C2					
Alternative	SHENZHEN JIANGHAO ELECTRONICS CO.,LTD.	CD291A	450V; 470µF; VENT 105°C	EN/IEC 60335-2-40	Tested with appliance
Alternative	NICHICON CORPORATION CO.,LTD	GG(M)	400VAC or 450VAC; 470µF; VENT 105°C	EN/IEC 60335-2-40	Tested with appliance
Alternative	Capxon Electronic (Shen-Zhen) Co., Ltd.	UJ471M450P450A0 0A or UJ	470µF; 450V; VENT 105°C	EN/IEC 60335-2-40	Tested with appliance
Alternative	Hunan Aihua Group CO.,LTD.	LH	450V; 470µF; 105°C	EN/IEC 60335-2-40	Tested with appliance
Alternative	SAMXON ELECTRONICS (DONGGUAN) CO.,LIMITED	HP(M)	450VAC; 470µF; VENT 105°C	EN/IEC 60335-2-40	Tested with appliance
Outdoor electrolytic capacitor for A5, B3	Hunan Aihua Group CO.,LTD.	LH	450V; 680µF; 105°C	EN/IEC 60335-2-40	Tested with appliance
Alternative	NIPPON CHEMI- CON CORPORATION	KMQ	450V; 680µF; 105°C	EN/IEC 60335-2-40	Tested with appliance
Alternative	NICHICON CORPORATION CO.,LTD	GG(M) 680uF450V CE 105°C	400VAC or 450VAC; 680µF; VENT 105°C	EN/IEC 60335-2-40	Tested with appliance
Alternative	SAMXON ELECTRONICS (DONGGUAN) CO.,LIMITED	HP(M)	450VAC; 680µF; VENT 105°C	EN/IEC 60335-2-40	Tested with appliance
Alternative	SHENZHEN JIANGHAO ELECTRONICS CO.,LTD.	CD291A	450V; 680µF; VENT 105°C	EN/IEC 60335-2-40	Tested with appliance
Alternative	Capxon Electronic (Shen-Zhen) Co., Ltd.	UJ681M450P500A0 00ADI	450VAC; 680µF; VENT 105°C	EN/IEC 60335-2-40	Tested with appliance
Outdoor electrolytic capacitor for A6, B4	NICHICON CORPORATION	LGL2W821MEUBN H	450VAC; 820µF; 105°C	EN/IEC 60335-2-40	Tested with appliance
Alternative	SAMXON ELECTRONICS (DONGGUAN) CO.,LIMITED	HP(M)	450VAC; 820µF; VENT 105°C	EN/IEC 60335-2-40	Tested with appliance
Alternative	EPCOS (Xiamen) Co., Ltd.	B43641-S5827-M1	450V; 820µF; VENT 105°C	EN/IEC 60335-2-40	Tested with appliance
Alternative	Hunan Aihua Group CO.,LTD.	LH	450V; 820µF; 105°C	EN/IEC 60335-2-40	Tested with appliance
Alternative	SHENZHEN JIANGHAO	CD289A	450V; 820µF; VENT 105°C	EN/IEC 60335-2-40	Tested with appliance

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	ELECTRONICS CO.,LTD.				
Alternative	NIPPON CHEMI-CON CORPORATION	KMW	450V; 820µF; 105°C	EN/IEC 60335-2-40	Tested with appliance
29. IPM I for A1, A2, A3, A4, B1, B2, C1, C2	MITSUBISHI ELECTRIC	PSS15S92F6-AG	15A; 600V	EN/IEC 60335-2-40	Tested with appliance
Alternative	Hangzhou Silan Microelectronics Co.,Ltd.	SDM15G60FB	15A; 600V	EN/IEC 60335-2-40	Test with appliance
IPM I for A5, B3	Fuji Electric	6MBP20XSF060-50	20A; 600V	EN/IEC 60335-2-40	Tested with appliance
IPM I for A6, B4	Fuji Electric	6MBP30XSF060-50	30A; 600V	EN/IEC 60335-2-40	Tested with appliance
IPM II for A1, A2, A3, A4, A5, B1, B2, B3, C1, C2	Toshiba	TPD4204F	2,5A; 600V	EN/IEC 60335-2-40	Tested with appliance
IPM II for A6, B4	SANKEN ELECTRIC CO., LTD.	SIM6822M	5A; 600V	EN/IEC 60335-2-40	Tested with appliance
30. IGBT	ROHM Semiconductor	RGTH60TS65D	40A; 650V	EN/IEC 60335-2-40	Tested with appliance
Alternative	Alpha & Omega Semiconductor	K40B65H2A	40A; 650V	EN/IEC 60335-2-40	Tested with appliance
Alternative	On Semiconductor	FGAF40N60SMD	40A; 600V	EN/IEC 60335-2-40	Tested with appliance
Alternative	STMicroelectronics	STGFW40V60DF	40A; 600V	EN/IEC 60335-2-40	Tested with appliance
31. Surge absorber	MITSUBISHI ELECTRIC	DA38-362M	3600V	EN/IEC 60335-2-40	Tested with appliance
Alternative	ACPA TECHNOLOGY CO.,LTD.	ACPA2R3600	3600V	EN/IEC 60335-2-40	Tested with appliance
Alternative	Brightking (Shenzhen) Co. Ltd, China	2RK3600L-5	3600V	EN/IEC 60335-2-40	Tested with appliance
Alternative	Okaya Electric America	RA-362MS-V7(RA)	3600V	EN/IEC 60335-2-40	Tested with appliance
Alternative	EPCOS AG	EM3600X6S	3600V	EN/IEC 60335-2-40	Tested with appliance
Alternative	Shenzhen Bencent Electronics Co., Ltd.	B5G3600-6	3100-4200V	EN/IEC 60335-2-40	Tested with appliance

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Alternative	TYCO ELECTRONICS (SHENZHEN) CO., LTD.	GRA-362-D7(N)	3600V	EN/IEC 60335-2-40	Tested with appliance
32. Crankcase heater(optiona l)	Anhui DuBang Electrical products Co.,LTD	DJRD-358A-1000-20W-5	220VAC; 20W±7%	EN/IEC 60335-2-40	Test with appliance
Alternative	ZHENJIANG DONGFANG ELECTRIC HEATING TECHNOLOGY CO.,LTD.	DJRD-358A-1000-20W-5	AC220V; 20W±7%	EN/IEC 60335-2-40	Test with appliance
Alternative	Anhui DuBang Electrical products Co.,LTD	DJRD-358A-800-20W-5	220VAC; 20W±7%	EN/IEC 60335-2-40	Test with appliance
Alternative	ZHENJIANG DONGFANG ELECTRIC HEATING TECHNOLOGY CO.,LTD.	DJRD-358A-800-20W-5	AC220V; 20W±7%	EN/IEC 60335-2-40	Test with appliance
33. Chassis electrical heater for A1, A2, A3, A4, A5, B1, B2, B3, B4, C1, C2(optional)	ZHENJIANG DONGFANG ELECTRIC HEATING TECHNOLOGY CO.,LTD.	DJRG-150W-030-2	230VAC; 150W	EN/IEC 60335-2-40	Test with appliance
Alternative	Anhui SuLi Technology Co.,Ltd	DJRG-150W-030-2	230VAC; 150W	EN/IEC 60335-2-40	Test with appliance
Chassis heater for A6, B4 (optional)	Zhenjiang Dongfang Electric Heating Technology Co., Ltd.	DJRG-150W-350-2	220-240VAC; 150W	EN/IEC 60335-2-40	Test with appliance
Alternative	Anhui Suli Technology Co., Ltd.	DJRG-150W-350-2	230VAC; 150W	EN/IEC 60335-2-40	Test with appliance
Alternative	Zhenjiang Dongfang Electric Heating Technology Co., Ltd.	DJRG-150W-X4-1	230VAC; 150W	EN/IEC 60335-2-40	Test with appliance
Alternative	Anhui Suli Technology Co., Ltd.	DJRG-150W-X4-1	230VAC; 150W	EN/IEC 60335-2-40	Test with appliance
34. Internal wire	Yueqing Guoxin Electric Wire Factory	UL1015	600VAC; 105°C; AWG 12-22; E247528	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	--	UL1015	600VAC; 105°C; AWG 12-22	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Foshan Shunde Baosheng Electronics Co Ltd	UL1007	300VAC; 80°C; AWG16-32; E257286	EN/IEC 60335-2-40	UL(Test with appliance)

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Alternative	--	UL1007	300VAC; 80°C; AWG16-32	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Guangdong Linoya Electronic Technology Co., Ltd.	UL1430	300VAC; 105°C; AWG16-30; E315619	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	--	UL1430	300VAC; 105°C; AWG16-30;	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	3A PVC WIRE & CABLE CO., LTD	UL3286	300VAC; 105°C; AWG16-30; E209277	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	--	UL3286	300VAC; 105°C; AWG16-30	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	SHENZHEN MYSUN INSULATION MATERIALS CO LTD	UL3122	300VAC; 105°C; AWG14; E239689	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	--	UL3122	300VAC; 105°C; AWG14	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	SHENZHEN MYSUN INSULATION MATERIALS CO LTD	UL3071	300VAC; 105°C; AWG14; E239689	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	--	UL3071	300VAC; 105°C; AWG14	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Foshan Shunde Zhanliang Industrialist	UL2464	AWG24#; 300VAC; 80°C; E330864	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	--	UL2464	AWG24#; 300VAC; 80°C	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Foshan Shunde Zhanliang Industrialist	UL1061	AWG14-30#; 300VAC; 80°C; E330864	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	--	UL1061	AWG14-30#; 300VAC; 80°C	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Foshan Shunde Zhanliang Industrialist	UL3289	AWG12-22#; 150°C; 600V; E330864	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	--	UL3289	AWG12-22#; 150°C; 600V	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	SHENZHEN MYSUN INSULATION MATERIALS CO LTD	UL3122	300VAC; 105°C; AWG 14; E239689	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	--	UL3122	300VAC; 105°C; AWG 14	EN/IEC 60335-2-40	Test with appliance

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Alternative	SHENZHEN MYSUN INSULATION MATERIALS CO LTD	UL3071	300VAC; 105°C; AWG 14; E239689	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	YONG HAO ELECTRICAL INDUSTRY CO LTD	UL3271	300VAC, 125°C AWG10-30#, E240426	EN/IEC 60335-2-40	UL(Test with appliance)
35. PVC tube	Dae Chang Eleccom Co., Ltd	DC-6	600VAC; 105°C; E120268	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Zhejiang Zhongtian Electrical Jacket Co Ltd	ZT300	105°C; 300V; vw-1; E317046	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Foshan Shunde Kaidaxin Plastic Industry Co Ltd	KDS01	600VAC; 105°C; E314911	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Guangzhou Kaiheng Enterprise Group	S-2	600V; 105°C; E214175	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Guangzhou Pu Sheng Electronics Insulating Material Co., Ltd.	GX-600	600VAC; 105°C; E248681	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Heng Hui Chang Insulation Material Co Ltd	HHC-01(GX-600V)	600VAC; 105°C; E327311	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Lianda Co., Ltd	LHX-01	600VAC; 105°C; E218446	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Nissei Eco Co Ltd	NH-3(NIS-S-SE1)	600VAC; 105°C; E199505	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Shenzhen Woer Heat-Shrinkable Material Co Ltd	RSFR-H or SBRS	600VAC; 125°C; E203950	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Suzhou Fuchen Electric Material Co Ltd	FC-600	105°C; 600VAC; E304705	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Wenzhou Hongxin Plastic Co Ltd	HXT-600(GX-600)	105°C; 600V; vw-1; E305314	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Zhangjiagang City Yilida Electronics Co Ltd	CSGV-600	600VAC; 105°C; E301348	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Zhejiang Zhongtian Electrical Jacket Co Ltd	ZT600	105°C; 600V; vw-1; E317046	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Changzhou Shi Yu Wang Plastic Co., Ltd	WS3-14	600VAC; 105°C; E238569	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Wuhu Donghe Electron Co L TD	PVC-DHB	105°C; 600VAC; E352940	EN/IEC 60335-2-40	UL(Test with appliance)

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Alternative	Kunshan Shengda Plastic Products Co Ltd	SDT-105	105°C; 600VAC; E340362	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative (only for fan motor)	Lianda Co.Ltd.	HB	750VAC; 105°C; VW-1	EN/IEC 60335-2-40	Test with appliance
Alternative (only for fan motor)	Lianda Co., Ltd.	SH	750VAC; 105°C; VW-1	EN/IEC 60335-2-40	Test with appliance
Alternative (only for fan motor)	Kai Da Xin	Φ6, Φ8, Φ10, Φ12	750VAC; 105°C; VW-1	EN/IEC 60335-2-40	Test with appliance
Alternative	DONGGUAN QUANXIN PLASTIC CO LTD	VW-1	105°C; 600VAC; E361235	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	YI LI DA	Φ4, Φ6, Φ8, Φ14, Φ10, Φ12	105°C; 600VAC	EN/IEC 60335-2-40	Test with appliance
Alternative	WEN SHI DA	VAST-600	105°C; 600VAC	EN/IEC 60335-2-40	Test with appliance
Alternative	DONGGUAN CITY ZHENG FENG WIRE & CABLE CO LTD	ZF-600	105°C; 600VAC; E342662	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	LI XIN DIAN QI	CSGV or GSGV	105°C; 600VAC	EN/IEC 60335-2-40	Test with appliance
Alternative	HAI SHENG	QS1-600	600VAC; 105°C; E238728	EN/IEC 60335-2-40	UL(Test with appliance)
36. PCB board	Baoyuejia Electronics (Zhongshan) Co., Ltd	BYJ-3	94V-0; E230225; thickness:1,6mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Chang Chun Plastics Co.,Ltd.	CCP-508SW/CCP-508/CCP-3400	94V-0; E108591; thickness:1,6mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Changzhou Haihong Electronics Co.,Ltd.	HDCM1	94V-0; E166702; thickness:1,6mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	SHENGYI TECHNOLOGY CO LTD	S3110/S1141/S3116/S1600	94V-0; E109769; thickness:1,6mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	GUANGZHOU PANYU CALI-TECH ELECTRONICS CO LTD	CT-101 & CT-101A	94V-0; E216635; thickness:1,6mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Ht Circuits Ltd	1294V0	94V-0; E56334; thickness:1,6mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Huizhou Xingzhiguang technology Co., Ltd	XZG-P1	94V-0; E246887; thickness:1,6mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	International Laminate Material Ltd.	ILM-R1##	94V-0; E134893; thickness:1,6mm	EN/IEC 60335-2-40	UL(Test with appliance)

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Alternative	Kingboard Laminates Holdings Ltd.	KB-6150/KB-6160/KB-5150/KB-6150C/KB-6160C /KB-6164F	94V-0; E123995; thickness:1,6mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	SHENZHEN WUZHU TECH CO LTD	KB-6150/KB-6160/KB-5150/KB-6150C/KB-6160C	94V-0; E170968; thickness:1,6mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Shanghai Nanya Copper Clad Laminates Co.,Ltd.	SN-L4 or FR-4-86PY or FR-4-11PY or NP-140TL	94V-0; E213990; thickness:1,6mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Shunde Junda Electronic Co.,Ltd	JD-D1 or JD-D or JD-E	94V-0; E173873; thickness:1,6mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	GUANG DONG XING DA HONG YE ELECTRONIC CO LTD	XD-102	94V-0; E193079; thickness:1,6mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Zhuhai Jointek Electric Co., Ltd.	JK-004	94V-0; E214852; thickness:1,6mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Ronghui Electronics (Huizhou) Co.,Ltd	RH-3	94V-0; E252098; thickness:1,6mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Victory Giant Technology (Huizhou) Co.,Ltd	SH1 & SH6	94V-0; E346395; thickness: 1,6mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Hangzhou Baolin Printed Circuit Co., Ltd.	BL2 or BL1	94V-0; E207143; thickness: 1,6mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Express Electronics CO.,LTD.	EP or 10V0	94V-0; thickness: 1,6mm/2,0mm; E157925	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	CHANGZHOU AOHONG ELECTRONICS CO.,LTD	AOH-2	94V-0 ; thickness:1,6mm/2,0mm; E303981	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	INTERNATIONAL LAMINATE MATERIAL LTD	GF111T6/GF112T6, GF21/22	94V-0 ; thickness: 1,6mm/2,0mm; E134893	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	GUANGDONG CHENGDE ELECTRONIC TECHNOLOGY CO LTD	D-12	94V-0; thickness: 1,6mm/2,0mm; E346273	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Guangzhou Panyu Cali-tech Electronics Co.,Ltd	CT-101A	94V-0; E216635; Thickness:1,6mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Gold Max International Co.,Ltd	GF122, GF112T6, GF222/GF212	94V-0; E224772; thickness: 1,0-2,0mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Express Electronics CO.,LTD.	EP; 10V0/13MV0	94 V-0; E157925: 1,6mm/2,0mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Hangzhou Linan Pengyu	CEM-1 PY-2	94V-0; E229910; thickness:1,6mm	EN/IEC 60335-2-40	UL(Test with appliance)

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Name Projektleiter:

Name, seal and signature of Certificate Holder / Vicky Xu
Name, Stempel und Unterschrift des Zertifikatinhabers:

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	Electronics Co.,Ltd				
Alternative	Guangdong Hongtai Electronic Incorporated Co.,LTD	HH-2	94V-0; E315852; Thickness: 1,6mm/2,0mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Guangdong Hongtai Electronic Incorporated Co.,LTD	HH-3	94V-0; E315852; Thickness: 1,6mm/2,0mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Zhongshan Running electronics technology CO.,LTD	RN-D, RN-M, RN-D1	94V-0; E342015; Thickness: 1,6mm/2,0mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	MEI ZHOU LI YU DA CRICUIT BOARD CO LTD	LYD-2, LYD-3, LYD-4, LYD-3A	94V-0; E320265; Thickness: 1,6mm/2,0mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Hangzhou Linan Pengyu Electronics Co.,Ltd	PY-2	94V-0; E229910; Thickness: 1,6mm/2,0mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	DONG GUAN NEW ENERGY PRINTED CIRCUIT BOARD CO LTD	NE5000 NE5000A NE1000 NE2000	94V-0; E206420; Thickness: 1,6mm/2,0mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	VICTORY GIANT TECHNOLOGY (HUI ZHOU) CO.,LTD	SH1, SH4, SH9, SH13, SH38	94V-0; E248779; Thickness: 1,6mm/2,0mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Guang Zhou XUANHAO (HOP SHING) Electronic Products Co. Ltd.	EC-2	94V-0; E188100; Thickness: 1,6mm/2,0mm	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	MEI ZHOU LI YU DA PCB CO.,LTD	LYD-4	94V-0; Thickness: 1,6mm/2,0mm; E32026	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	VICTORY GIANT TECHNOLOGY (HUI ZHOU)CO.,LTD.	SH1	94V-0; Thickness: 1,6mm/2,0mm; E248779	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Hangzhou Lin'an Pengyu Electronics Co.,Ltd	PY-2	94V-0; thickness:1,6mm; E229910	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	DONG GUAN NEW ENERGY PRINTED CIRCUIT BOARD CO LTD	NE	94V-0; thickness:1,6mm; E206420	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	Guangdong Hongtai Electronic Incorporated Co.,LTD	HH-2	94V-0; thickness:1,6mm; E315852	EN/IEC 60335-2-40	UL(Test with appliance)

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Alternative	Hangzhou Pengrun Electronics Co.,LTD	PR-1	94V-0; thickness:1,6mm; E484637	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	CHANGZHOU AOHONG ELECTRONICS CO LTD	AOH-2/AOH-3	94V-0; thickness:1,6mm; E303981	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	HuiZhou XingZhiGuang Technology Company Limited	XZG-P1	94V-0; thickness: 1,6mm	EN/IEC 60335-2-40	UL(Tested with appliance)
Alternative	HANGZHOU LINAN PENGYU ELECTRONICS CO LTD	PY-2	94V-0; thickness: 1,6mm; E229910	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	GROW FAST DEVELOPMENT LTD(GF)	A3	94V-0; CEM-1; S3116; thickness:1,6mm; E305467	EN/IEC 60335-2-40	UL(Test with appliance)
Alternative	SICHUAN HAIYING ELECTRONIC TECHNOLOGY CO LTD (HY)	1C	94V-0; thickness:1,6mm; E351718	EN/IEC 60335-2-40	UL(Tested with appliance)
Alternative	DONG GUAN NEW ENERGY PRINTED CIRCUIT BOARD CO LTD (NE)	NE5000	94V-0; CEM-1; S3116; thickness:1,6mm; E206420	EN/IEC 60335-2-40	UL(Test with appliance)
Indoor Y capacitor I for all models	Nanjing YuYue Electronics Co.,Ltd	CT710dY5V or CT7	472M; 250VAC; T or CT7	EN 60384-14	VDE
Alternative	FENGHUA ADVANCED TECHNOLOGY(H OLDING)CO.LTC	CT7-X9Y5V9D or CT7-Y2	472M; 250VAC; TEW or CT7	EN 60384-14	VDE
Alternative	SUCCESS ELECTRONICS CO., LTD.	5SF472MT252R76 E or 471K or SF	472M; 250VAC	EN 60384-14	VDE
Alternative	TDK XIAMEN CO.,LTD	CS11ZU2GA or CS472M	472M; 250VAC	EN 60384-14	VDE
Indoor Y capacitor II for all models	Nanjing YuYue Electronics Co.,Ltd	CT7	471M; 250VAC	EN 60384-14	VDE
Alternative	FENGHUA ADVANCED TECHNOLOGY(H OLDING)CO.LTC	CT7-Y2	471M; 250VAC	EN 60384-14	VDE
Alternative	SUCCESS ELECTRONICS CO., LTD.	471K or SB	471M; 250VAC	EN 60384-14	VDE
Alternative	TDK XIAMEN CO.,LTD	CS471M	471M; 300VAC	EN 60384-14	VDE
Outdoor Y capacitor I for all models	Nanjing YuYue Electronics Co.,Ltd	CT7	471M; 250VAC	EN 60384-14	VDE
Alternative	FENGHUA ADVANCED	CT7-Y2	471M; 250VAC	EN 60384-14	VDE

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	TECHNOLOGY(H OLDING)CO.LTC				
Alternative	SUCCESS ELECTRONICS CO., LTD.	471K or SB	471M; 250VAC	EN 60384-14	VDE
Alternative	TDK XIAMEN CO.,LTD	CS471M	471M; 300VAC	EN 60384-14	VDE
Outdoor Y capacitor II for all models	SUCCESS ELECTRONICS CO., LTD.	5SF103MT252R76 E or SF	103M; 300VAC	EN 60384-14	VDE
Alternative	NanJing YuYue Electronics CO.,LTD	CT714eY5V103M2 50VT or CT7	103M; 250V	EN 60384-14	VDE
Alternative	MURATA	DE2F3KY103MN3A M02F or KY	103M; 250V	EN 60384-14	VDE
Alternative	TDK	CS45-F2GA103M- VKA or CS	103M; 300VAC	EN 60384-14	VDE
Outdoor Y capacitor III for all models	TDK	CD45-B2GA472M- VKA or CD	472M; 400VAC	EN 60384-14	VDE
Alternative	muRata	DE1E3KX472MN4A N01F or KX	472M; 250VAC	EN 60384-14	VDE
Alternative	NanJing YuYue Electronics CO.,LTD	CT712eY5U472M2 50V(Y1)T or CT7	472M; 250VAC	EN 60384-14	VDE
Alternative	FENGHUA ADVANCED TECHNOLOGY(H OLDING)CO,LTD	CT7- Y12Y5U0E472MTE or CT7-Y1	472M; 400VAC	EN 60384-14	VDE

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Label / Typenschild

SPLIT TYPE AIR CONDITIONER		SPLIT TYPE AIR CONDITIONER		SPLIT TYPE AIR CONDITIONER	
INDOOR MODEL	MSABBU-09HRFN8-QRD6GW	INDOOR MODEL	MSABBU-12HRFN8-QRD6GW	INDOOR MODEL	MSAEBU-09HRFN8-QRD6GW
COOLING CAPACITY	9000Btu/h	COOLING CAPACITY	12000Btu/h	COOLING CAPACITY	9000Btu/h
HEATING CAPACITY	10000Btu/h	HEATING CAPACITY	13000Btu/h	HEATING CAPACITY	10000Btu/h
POWER SOURCE	220-240V~ 50Hz, 1Ph	POWER SOURCE	220-240V~ 50Hz, 1Ph	POWER SOURCE	220-240V~ 50Hz, 1Ph
INDOOR RATED CURRENT	/	INDOOR RATED CURRENT	/	INDOOR RATED CURRENT	/
INDOOR RATED INPUT	23.0W	INDOOR RATED INPUT	23.0W	INDOOR RATED INPUT	23.0W
 		 		 	
For specific information on the type of gas and the amount, please refer to the label on the outdoor unit.		For specific information on the type of gas and the amount, please refer to the label on the outdoor unit.		For specific information on the type of gas and the amount, please refer to the label on the outdoor unit.	
Importer: xxx		Importer: xxx		Importer: xxx	
Manufacturer: GD Midea Air-Conditioning Equipment Co., Ltd. Lingang Road Beijiao Shunde Foshan Guangdong People's Republic of China 528311		Manufacturer: GD Midea Air-Conditioning Equipment Co., Ltd. Lingang Road Beijiao Shunde Foshan Guangdong People's Republic of China 528311		Manufacturer: GD Midea Air-Conditioning Equipment Co., Ltd. Lingang Road Beijiao Shunde Foshan Guangdong People's Republic of China 528311	
					

SPLIT TYPE AIR CONDITIONER		SPLIT TYPE AIR CONDITIONER		SPLIT TYPE AIR CONDITIONER	
INDOOR MODEL	MSAEBU-12HRFN8-QRD6GW	INDOOR MODEL	MSVPBU-12HRFN8-QRD6GW	INDOOR MODEL	MSABDU-18HRFNX-QRD6GW
COOLING CAPACITY	12000Btu/h	COOLING CAPACITY	12000Btu/h	COOLING CAPACITY	18000Btu/h
HEATING CAPACITY	13000Btu/h	HEATING CAPACITY	13000Btu/h	HEATING CAPACITY	19000Btu/h
POWER SOURCE	220-240V~ 50Hz, 1Ph	POWER SOURCE	220-240V~ 50Hz, 1Ph	POWER SOURCE	220-240V~ 50Hz, 1Ph
INDOOR RATED CURRENT	/	INDOOR RATED CURRENT	/	INDOOR RATED CURRENT	/
INDOOR RATED INPUT	23.0W	INDOOR RATED INPUT	23.0W	INDOOR RATED INPUT	36.0W
 		 		 	
For specific information on the type of gas and the amount, please refer to the label on the outdoor unit.		For specific information on the type of gas and the amount, please refer to the label on the outdoor unit.		For specific information on the type of gas and the amount, please refer to the label on the outdoor unit.	
Importer: xxx		Importer: xxx		Importer: xxx	
Manufacturer: GD Midea Air-Conditioning Equipment Co., Ltd. Lingang Road Beijiao Shunde Foshan Guangdong People's Republic of China 528311		Manufacturer: GD Midea Air-Conditioning Equipment Co., Ltd. Lingang Road Beijiao Shunde Foshan Guangdong People's Republic of China 528311		Manufacturer: GD Midea Air-Conditioning Equipment Co., Ltd. Lingang Road Beijiao Shunde Foshan Guangdong People's Republic of China 528311	
					

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SPLIT TYPE AIR CONDITIONER		SPLIT TYPE AIR CONDITIONER		SPLIT TYPE AIR CONDITIONER	
INDOOR MODEL	MSAECU-18HRFNX-QRD0GW	INDOOR MODEL	MSABEU-24HRFN8-QRD0GW	INDOOR MODEL	MSAEDU-24HRFNX-QRD0GW
COOLING CAPACITY	18000Btu/h	COOLING CAPACITY	24000Btu/h	COOLING CAPACITY	24000Btu/h
HEATING CAPACITY	19000Btu/h	HEATING CAPACITY	25000Btu/h	HEATING CAPACITY	25000Btu/h
POWER SOURCE	220-240V~ 50Hz, 1Ph	POWER SOURCE	220-240V~ 50Hz, 1Ph	POWER SOURCE	220-240V~ 50Hz, 1Ph
INDOOR RATED CURRENT	/	INDOOR RATED CURRENT	/	INDOOR RATED CURRENT	/
INDOOR RATED INPUT	36.0W	INDOOR RATED INPUT	58.0W	INDOOR RATED INPUT	58.0W
					
For specific information on the type of gas and the amount, please refer to the label on the outdoor unit.		For specific information on the type of gas and the amount, please refer to the label on the outdoor unit.		For specific information on the type of gas and the amount, please refer to the label on the outdoor unit.	
Importer: xxx		Importer: xxx		Importer: xxx	
Manufacturer: GD Midea Air-Conditioning Equipment Co., Ltd. Lingang Road Beijiao Shunde Foshan Guangdong People's Republic of China 528311		Manufacturer: GD Midea Air-Conditioning Equipment Co., Ltd. Lingang Road Beijiao Shunde Foshan Guangdong People's Republic of China 528311		Manufacturer: GD Midea Air-Conditioning Equipment Co., Ltd. Lingang Road Beijiao Shunde Foshan Guangdong People's Republic of China 528311	
					

SPLIT TYPE AIR CONDITIONER		SPLIT TYPE AIR CONDITIONER		SPLIT TYPE AIR CONDITIONER	
OUTDOOR MODEL	MOX230-09HFN8-QRD6GW	OUTDOOR MODEL	MOX230-12HFN8-QRD6GW	OUTDOOR MODEL	MOX301-18HFN8-QRD0GW
POWER SOURCE	220-240V~ 50Hz, 1Ph	POWER SOURCE	220-240V~ 50Hz, 1Ph	POWER SOURCE	220-240V~ 50Hz, 1Ph
MAXIMUM ALLOWABLE PRESSURE	4.4MPa	MAXIMUM ALLOWABLE PRESSURE	4.4MPa	MAXIMUM ALLOWABLE PRESSURE	4.4MPa
EXCESSIVE OPERATING PRESSURE	DISCHARGE 4.3MPa SUCTION 1.7MPa	EXCESSIVE OPERATING PRESSURE	DISCHARGE 4.3MPa SUCTION 1.7MPa	EXCESSIVE OPERATING PRESSURE	DISCHARGE 4.3MPa SUCTION 1.7MPa
REFRIGERANT	R32/0.62kg	REFRIGERANT	R32/0.62kg	REFRIGERANT	R32/1.1kg
RATED CURRENT	10.5A	RATED CURRENT	10.5A	RATED CURRENT	13.0A
RATED INPUT	2200W	RATED INPUT	2200W	RATED INPUT	2500W
OUTDOOR UNIT RESISTANCE CLASS	IP 24	OUTDOOR UNIT RESISTANCE CLASS	IP 24	OUTDOOR UNIT RESISTANCE CLASS	IP 24
					
Contains fluorinated greenhouse gases. GWP: 675; 0.418 tonnes CO ₂ equivalent.		Contains fluorinated greenhouse gases. GWP: 675; 0.418 tonnes CO ₂ equivalent.		Contains fluorinated greenhouse gases. GWP: 675; 0.74 tonnes CO ₂ equivalent.	
Importer: xxx		Importer: xxx		Importer: xxx	
Manufacturer: GD Midea Air-Conditioning Equipment Co., Ltd. Lingang Road Beijiao Shunde Foshan Guangdong People's Republic of China 528311		Manufacturer: GD Midea Air-Conditioning Equipment Co., Ltd. Lingang Road Beijiao Shunde Foshan Guangdong People's Republic of China 528311		Manufacturer: GD Midea Air-Conditioning Equipment Co., Ltd. Lingang Road Beijiao Shunde Foshan Guangdong People's Republic of China 528311	
					
⚠ CAUTION		⚠ CAUTION		⚠ CAUTION	

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SPLIT TYPE AIR CONDITIONER		CE	0598
OUTDOOR MODEL	MOX401-24HFN8-QRD6GW		
POWER SOURCE	220-240V~ 50Hz, 1Ph		
MAXIMUM ALLOWABLE PRESSURE	4.4MPa		
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.3MPa	
	SUCTION	1.7MPa	
REFRIGERANT	R32/1.45kg		
RATED CURRENT	19.0A		
RATED INPUT	3700W		
OUTDOOR UNIT RESISTANCE CLASS	IP 24		
Contains fluorinated greenhouse gases. GWP: 675; 0.978 tonnes CO ₂ equivalent.			
Importer: xxx			
Manufacturer: GD Midea Air-Conditioning Equipment Co., Ltd. Lingang Road Beijiao Shunde Foshan Guangdong People's Republic of China 528311			
			

 CAUTION

SPLIT TYPE AIR CONDITIONER	
INDOOR MODEL	MSVPBU-09HFN8-QRD6GW
COOLING CAPACITY	9000Btu/h
HEATING CAPACITY	10000Btu/h
POWER SOURCE	220-240V~ 50Hz, 1Ph
INDOOR RATED CURRENT	/
INDOOR RATED INPUT	23.0W
	
For specific information on the type of gas and the amount, please refer to the label on the outdoor unit.	
Importer: xxx	
Manufacturer: GD Midea Air-Conditioning Equipment Co., Ltd. Lingang Road Beijiao Shunde Foshan Guangdong People's Republic of China 528311	
	

SPLIT TYPE AIR CONDITIONER		CE
OUTDOOR MODEL	MOX230-09HFN8-QRD6GW	
POWER SOURCE	220-240V~ 50Hz, 1Ph	
MAXIMUM ALLOWABLE PRESSURE	4.4MPa	
EXCESSIVE OPERATING PRESSURE	DISCHARGE	4.3MPa
	SUCTION	1.7MPa
REFRIGERANT	R32/0.62kg	
RATED CURRENT	10.5A	
RATED INPUT	2200W	
OUTDOOR UNIT RESISTANCE CLASS	IP 24	
Contains fluorinated greenhouse gases. GWP: 675; 0.418 tonnes CO ₂ equivalent.		
Importer: xxx		
Manufacturer: GD Midea Air-Conditioning Equipment Co., Ltd. Lingang Road Beijiao Shunde Foshan Guangdong People's Republic of China 528311		
		

 CAUTION

1. Ensure to evacuate the air inside the indoor unit and pipes with vacuum pump.
2. Make sure the additional amount of refrigerant to be charged is based on the pipe size and length, please refer to the INSTALLATION INSTRUCTIONS for details.
3. Incorrect installation due to ignoring of the instruction will cause serious problem to the machine.

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