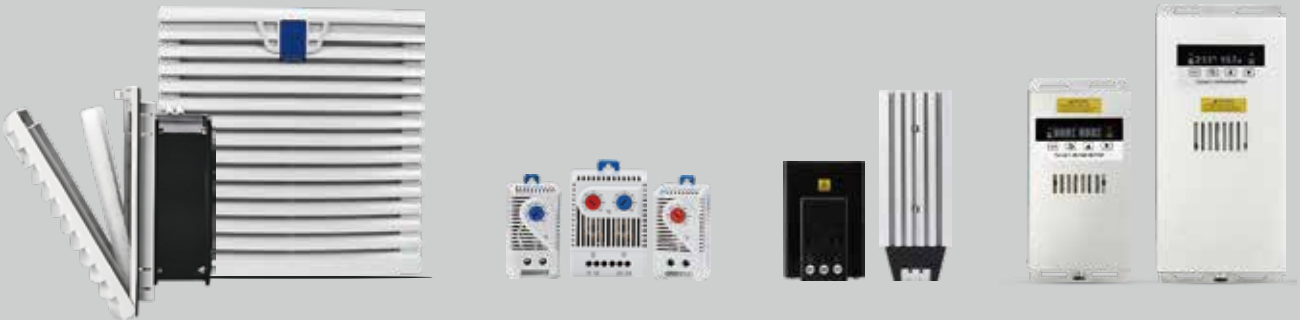


2026



Product Manual

Regulating | Dehumidifier | Heating | Cooling | Lighting

温州珍瑞电气有限公司
Wenzhou Zhenrui Electric Co., Ltd

About Us

NOXT | Cabinet Environment Control Specialist

Precision in Every Millimeter

We provide everything from individual products to customized turnkey solutions. Our independently developed range of temperature and humidity controllers, industrial heaters, intelligent dehumidifiers and cooling fans deliver reliable performance under the most demanding conditions, backed by decades of technical expertise and rigorous quality control.

We are the trusted partner of leading companies in wind power, solar, power generation, energy storage, telecommunications and petrochemicals worldwide.

1 Engineering solutions for cabinet electrical safety in harsh environments.

2 Insight-driven. Quality-focused. Value-delivered.

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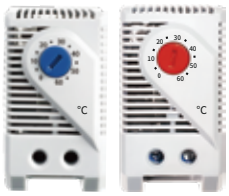
Accessories



Temperature And Humidity controller

Use our temperature and humidity control systems to maintain ideal climatic conditions inside control enclosures and housings. Our temperature controllers and humidistats regulate connected heaters or filter fans for both AC and DC power supplies, creating a stable and suitable environment for your electronic equipment.

- Mechanical temperature controller and humidity controller
- Electronic temperature controller, humidity controller, temperature and humidity controller
- Digital temperature and humidity controller
- Explosion proof controller

KTS 011/KTO 011	Order Code	Setting Range	Sensor	Switching differential	Contact Rating	Dimensions
	101051(NO)	-20~40°C /-4~104°F	Bimetal thermostat	7 K±4 K	AC/DC UNIVERSAL AC: 10A (RES) DC: 30W	60 x 33 x 44 mm
	101052(NO)	-10~50°C /14~122°F				
	101053(NO)	0~60°C /32~140°F				
	101054(NO)	20~80°C /68~176°F				
	101061(NC)	-20~40°C /-4~104°F				
	101062(NC)	-10~50°C /14~122°F				
	101063(NC)	0~60°C /32~140°F				
	101064(NC)	20~80°C /68~176°F				

KTS 111/KTO 111	Order Code	Setting Range	Sensor	Switching differential	Contact Rating	Dimensions
	101151(NO)	-20~40°C /-4~104°F	Bimetal thermostat	7 K±4 K	AC/DC UNIVERSAL AC: 10A (RES) DC: 30W	65 x 33 x 40 mm
	101152(NO)	-10~50°C /14~122°F				
	101153(NO)	0~60°C /32~140°F				
	101154(NO)	20~80°C /68~176°F				
	101161(NC)	-20~40°C /-4~104°F				
	101162(NC)	-10~50°C /14~122°F				
	101163(NC)	0~60°C /32~140°F				
	101164(NC)	20~80°C /68~176°F				

KTS 012/KTO 012	Order Code	Setting Range	Sensor	Switching differential	Contact Rating	Dimensions
	101071(NO)	-20~40°C /-4~104°F	Bimetal thermostat	7 K±4 K	AC/DC UNIVERSAL AC: 10A (RES) DC: 30W	75 x 33 x 42 mm
	101072(NO)	-10~50°C /14~122°F				
	101073(NO)	0~60°C /32~140°F				
	101074(NO)	20~80°C /68~176°F				
	101081(NC)	-20~40°C /-4~104°F				
	101082(NC)	-10~50°C /14~122°F				
	101083(NC)	0~60°C /32~140°F				
	101084(NC)	20~80°C /68~176°F				

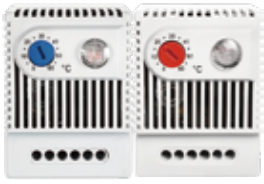
KTS 013/KTO 013	Order Code	Setting Range	Sensor	Switching differential	Contact Rating	Dimensions
	101091(NO)	-20~40°C /-4~104°F	Bimetal thermostat	7 K±4 K	AC/DC UNIVERSAL AC: 10A (RES) DC: 30W	60 x 33 x 44 mm
	101092(NO)	-10~50°C /14~122°F				
	101093(NO)	0~60°C /32~140°F				
	101094(NO)	20~80°C /68~176°F				
	101101(NC)	-20~40°C /-4~104°F				
	101102(NC)	-10~50°C /14~122°F				
	101103(NC)	0~60°C /32~140°F				
	101104(NC)	20~80°C /68~176°F				

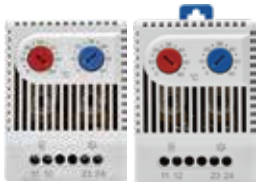
KTS 015/KTO 015	Order Code	Setting Range	Sensor	Switching differential	Contact Rating	Dimensions
	101111(NO)	-20~40°C /-4~104°F	Bimetal thermostat	7 K±4 K	AC/DC UNIVERSAL AC: 10A (RES) DC: 30W	60 x 33 x 44 mm
	101112(NO)	-10~50°C /14~122°F				
	101113(NO)	0~60°C /32~140°F				
	101114(NO)	20~80°C /68~176°F				
	101121(NC)	-20~40°C /-4~104°F				
	101122(NC)	-10~50°C /14~122°F				
	101123(NC)	0~60°C /32~140°F				
	101124(NC)	20~80°C /68~176°F				

KTS 611/KTO 611	Order Code	Setting Range	Sensor	Switching differential	Contact Rating	Dimensions
	101191(NO)	-20~40°C /-4~104°F	Bimetal thermostat	7 K±4 K	AC/DC UNIVERSAL AC: 10A (RES) DC: 30W	65 x 33 x 40 mm
	101192(NO)	-10~50°C /14~122°F				
	101193(NO)	0~60°C /32~140°F				
	101194(NO)	20~80°C /68~176°F				
	101201(NC)	-20~40°C /-4~104°F				
	101202(NC)	-10~50°C /14~122°F				
	101203(NC)	0~60°C /32~140°F				
	101204(NC)	20~80°C /68~176°F				

KTS 511/KTO 511	Order Code	Setting Range	Sensor	Switching differential	Contact Rating	Dimensions
	101171(NO)	-20~40°C /-4~104°F	Bimetal thermostat	7 K±4 K	AC/DC UNIVERSAL AC: 10A (RES) DC: 30W	60 x 33 x 43 mm
	101172(NO)	-10~50°C /14~122°F				
	101173(NO)	0~60°C /32~140°F				
	101174(NO)	20~80°C /68~176°F				
	101181(NC)	-20~40°C /-4~104°F				
	101182(NC)	-10~50°C /14~122°F				
	101183(NC)	0~60°C /32~140°F				
	101184(NC)	20~80°C /68~176°F				

KTS 711/KTO 711	Order Code	Setting Range	Sensor	Switching differential	Contact Rating	Dimensions
	101211(NO)	-20~40°C /-4~104°F	Bimetal thermostat	7 K±4 K	AC/DC UNIVERSAL AC: 10A (RES) DC: 30W	84x 49 x 17.5 mm
	101212(NO)	-10~50°C /14~122°F				
	101213(NO)	0~60°C /32~140°F				
	101214(NO)	20~80°C /68~176°F				
	101221(NC)	-20~40°C /-4~104°F				
	101222(NC)	-10~50°C /14~122°F				
	101223(NC)	0~60°C /32~140°F				
	101224(NC)	20~80°C /68~176°F				

KTS 021/KTO 021	Order Code	Setting Range	Sensor	Switching differential	Contact Rating	Dimensions
	101131(NO)	-20~40°C /-4~104°F	Bimetal thermostat	7 K±4 K	AC/DC UNIVERSAL AC: 10A (RES) DC: 30W	67 x 50 x 46 mm
	101132(NO)	-10~50°C /14~122°F				
	101133(NO)	0~60°C /32~140°F				
	101134(NO)	20~80°C /68~176°F				
	101141(NC)	-20~40°C /-4~104°F				
	101142(NC)	-10~50°C /14~122°F				
	101143(NC)	0~60°C /32~140°F				
	101144(NC)	20~80°C /68~176°F				

ZR 011/ZR 111	Order Code	Setting Range	Sensor	Switching differential	Contact Rating	Dimensions
	101231	-20~40°C /-4~104°F	Bimetal thermostat	7 K±4 K	AC/DC UNIVERSAL AC: 10A (RES) DC: 30W	67 x 50 x 46 mm
	101232	-10~50°C /14~122°F				
	101233	0~60°C /32~140°F				
	101234	20~80°C /68~176°F				
	101241(Snap)	-20~40°C /-4~104°F				74 x 50 x 46mm
	101242(Snap)	-10~50°C /14~122°F				
	101243(Snap)	0~60°C /32~140°F				
	101244(Snap)	20~80°C /68~176°F				

ETR 011	Order Code	Setting range	Voltage	Switching differential	Sensor	Switching current	Dimensions
	104081	-20°C~60°C	AC 230V	3K±0.5K	DHT20	AC: 230V,8(1.6)A	71 x 38 x 43 mm
	104082	-4 °F - 140 °F	AC 110V				

SK 3110	Order Code	Setting range	Voltage	Switching differential	Sensor	Switching current	Dimensions
	101501	-20°C~60°C	AC 24/48/60 120/230V DC 24/48/60V	3K±0.5K	NTC	AC:240V, 8(1.6)A DC: 220W	75 x 31 x 70 mm
	101502	-4 °F - 140 °F					

ETY 011	Order Code	Setting range	Voltage	Switching differential	Sensor	Switching current	Dimensions
	101511	-20°C~99°C	AC 110~230V	3K±0.5K (Freely adjustable)	NTC	AC: 230V,8(1.6)A	74x 50 x 46 mm

ZRF 011	Order Code	Setting range	Voltage	Switching differential	Sensor	Switching current	Dimensions
	101261	50 °F - 120 °F	AC/DC universal	7K±4K	Bimetal thermostat	AC 240 V AC 10A(RES) DC 30 W	95 x 46 x 91 mm

REX 011	Order Code	Switch-on temperature	Voltage	Switching differential	Switching current	Dimensions
	101251	15°C (±4K)	AC 110V/250V DC 12V/24V	5K±3K	AC: 250V,5(1)A	SW19 x 94 mm
	101252	25°C(±4K)				

MFR 012	Order Code	Setting range	Voltage	Switching differential	Contact type	Switching current	Dimensions
	104071	40%RH~95%RH	AC/DC universal	7%RH±3%RH	Snap-action Contact	AC:230V,5 (1) A DC:20W	74 x 50 x 38 mm

EMFR 012	Order Code	Setting range	Voltage	Switching differential	Sensor	Switching current	Dimensions
	104041	35%RH~95%RH	AC 110-230V	5%RH±3%RH	DHT 20	AC: 230V,8(1.6)A	67 x 39 x 50 mm

EFR 012	Order Code	Setting range	Voltage	Switching differential	Sensor	Switching current	Dimensions
	104091	40%RH~90%RH	AC 230V	5%RH±3%RH	DHT 20	AC: 230V,8(1.6)A	72 x 50 x 39 mm
	104092		AC 120V				

ETY021	Order Code	Setting range	Voltage	Switching differential	Sensor	Switching current	Dimensions
	104051	0%RH~99%RH	AC 110-230V	10%RH±3%RH (Freely adjustable)	SHT30	AC: 230V,8(1.6)A	74 x 50 x 46 mm

SK 3118	Order Code	Setting range	Voltage	Switching differential	Sensor	Switching current	Dimensions
	104061	35%RH~95%RH	AC 115V/250V DC 24V/48V/60V	5%RH±3%RH	DHT20	AC: 250V,8(1.6)A DC: 220W	75 x 31 x 70 mm

ETF 012	Order Code	Setting range	Voltage	Switching differential	Sensor	Switching current	Dimensions
	104011	0°C~60°C (32 °F - 140 °F) 50%RH~90%RH	AC 110V	3K±0.5K 5%RH±3%RH	DHT20	AC: 230V,8(1.6)A DC: 220W	85 x 60 x 40mm
	104012		AC 230V				
	104013		DC 12V				
	104014		DC 24V				

CZCS-F	Order Code	Setting range	Voltage	Switching differential	Sensor	Switching current	Cut-out Size
	104021	0°C~99°C 0%RH~99%RH	DC 12V	3K±0.5K 10%RH±3%RH (Freely adjustable)	SHT30	AC:230V, 8 (1.6)A DC:240W	72 x 40 mm
	104022		DC 24V				

ETY031	Order Code	Setting range	Voltage	Switching differential	Sensor	Switching current	Dimensions
	104031	-20°C~99°C 0%RH~99%RH	AC 110~240 V	3K±0.5K 10%RH±3%RH (Freely adjustable)	SHT30	AC: 230V,8(1.6)A DC: 220W	84 x 37 x 56 mm
	104032		DC 12V				
	104033		DC 24V				



Intelligent Dehumidifier

Excessively low temperatures in control enclosures, housings and technical installation spaces will lead to harmful condensation. Our intelligent dehumidifiers adopt semiconductor condensation dehumidification technology. Driven by the fan, humid air inside the enclosed space is drawn into the dehumidification duct. Moisture in the air is condensed by the semiconductor refrigeration unit and then drained out of the enclosure via a water guide pipe, delivering excellent dehumidification performance.

- Front air outlet dehumidifier
- Top air dehumidifier
- Split dehumidifier

CZCS 880	Order Code	Rated Voltage	Dimensions/Mounting	Rated Power	Dehumidification Capacity	Applicable Volume
	103050	DC 12V	35mm DIN Rail 72x59x115mm	15 W	120±10%ml/d (35°C, 85%RH)	⩽0.5m³
	103051	AC 110~230V, 50/60Hz				

CZCS 860	Order Code	Rated Voltage	Dimensions/Mounting	Rated Power	Dehumidification Capacity	Applicable Volume
	103060	DC 12V	35mm DIN Rail 103x75x160mm	60 W	410±10%ml/d (35°C, 85%RH)	0.5~1.5m³
	103061	DC 24V				
	103062	AC 110~230V, 50/60Hz				

CZCS 860A	Order Code	Rated Voltage	Dimensions/Mounting	Rated Power	Dehumidification Capacity	Applicable Volume
	103070	DC 12V	35mm DIN Rail 108x75x165mm	60 W	420±10%ml/d (35°C, 85%RH)	0.5~1.5m³
	103071	DC 24V				
	103072	AC 110~230V, 50/60Hz				

CZCS 100AF	Order Code	Rated Voltage	Dimensions/Mounting	Rated Power	Dehumidification Capacity	Applicable Volume
	103080	DC 12V	35mm DIN Rail Overall Dimensions 103x69x160mm Controller Cutout 72x40mm	60 W	420±10%ml/d (35°C, 85%RH)	0.5~1.5m³
	103081	DC 24V				

CZCS 100AF	Order Code	Rated Voltage	Dimensions/Mounting	Rated Power	Dehumidification Capacity	Applicable Volume
	103090	DC 12V	35mm DIN Rail Overall Dimensions 108x75x165mm Controller Cutout 72x40mm	60 W	420±10%ml/d (35°C, 85%RH)	0.5~1.5m³
	103091	DC 24V				

CZCS 960A	Order Code	Rated Voltage	Dimensions/Mounting	Rated Power	Dehumidification Capacity	Applicable Volume
	103100	DC 12V	35mm DIN Rail 108x75x205mm	60 W	440±10%ml/d (35°C, 85%RH)	1~2m³
	103101	DC 24V				
	103102	AC 110~230V, 50/60Hz				

Dehumidifier

CSSU 060	Order Code	Rated Voltage	Dimensions/Mounting	Rated Power	Dehumidification Capacity	Applicable Volume
	103110	DC 12V	Screw Mount 126x67x226mm	60 W	400±10%ml/d (35°C, 85%RH)	1~1.5m³
	103111	DC 24V				
	103112	AC 110~230V, 50/60Hz				

CSAF 15	Order Code	Rated Voltage	Dimensions/Mounting	Rated Power	Dehumidification Capacity	Applicable Volume
	103120	DC 12V	35mm DIN Rail 92x56x65mm	15 W	240±10%ml/d (35°C, 85%RH)	1~2m³
	103121	DC 24V				
	103122	AC 110~230V, 50/60Hz				

CZCS 1000	Order Code	Rated Voltage	Dimensions/Mounting	Rated Power	Dehumidification Capacity	Applicable Volume
	103130	DC 12V	35mm DIN Rail 136x80x295mm	120 W	700±10%ml/d (35°C, 85%RH)	2~3m³
	103131	DC 24V				
	103132	AC 110~230V, 50/60Hz				

DSF641	Order Code	Rated Voltage	Dimensions/Mounting	Rated Power	Dehumidification Capacity	Applicable Volume
	103140	12 V DC	Screw Mount 246x69x237mm	120 W	1000±10%ml/d (35°C, 85%RH)	2~3.5m³
	103141	24 V DC				
	103142	110~250V AC , 50/60Hz				

CZCS 1000AX	Order Code	Rated Voltage	Dimensions/Mounting	Rated Power	Dehumidification Capacity	Applicable Volume
	103180	DC 12V	Screw Mount 128x115x288mm	120 W	1000±10%ml/d (35°C, 85%RH)	2~3.5m³
	103181	DC 24V				
	103182	AC 110~230V, 50/60Hz				
	103185(网罩)	DC 12V				
	103186(网罩)	DC 24V				
	103187(网罩)	AC 110~230V, 50/60Hz				

CZCS 345



Order Code	Rated Voltage	Dimensions/Mounting	Rated Power	Dehumidification Capacity	Applicable Volume
103150	DC 12V	35mm DIN Rail 110x75x218mm	60 W	470±10%ml/d (35°C, 85%RH)	1.5~2m³
103151	DC 24V				
103152	AC 110~230V, 50/60Hz				
103155	DC 12V	Screw Mount 110x66x228mm			
103156	DC 24V				
103157	AC 110~230V, 50/60Hz				

CZCS 1000A



Order Code	Rated Voltage	Dimensions/Mounting	Rated Power	Dehumidification Capacity	Applicable Volume
103160	DC 12V	35mm DIN Rail 137x80x288mm	120 W	1000±10%ml/d (35°C, 85%RH)	2~3.5m³
103161	DC 24V				
103162	AC 110~230V, 50/60Hz				
103165	DC 12V	Screw Mount 137x72x310mm			
103166	DC 24V				
103167	AC 110~230V, 50/60Hz				

CZCS 345AX



Order Code	Rated Voltage	Dimensions/Mounting	Rated Power	Dehumidification Capacity	Applicable Volume
103170	DC 12V	Screw Mount 130x61x314mm	60 W	500±10%ml/d (35°C, 85%RH)	1.5~2m³
103171	DC 24V				
103172	AC 110~230V, 50/60Hz				

CSAU 60



Order Code	Rated Voltage	Dimensions/Mounting	Rated Power	Dehumidification Capacity	Applicable Volume
103190	DC 12V	Screw Mount 115x49x230mm	60 W	500±10%ml/d (35°C, 85%RH)	1.5~2.5m³
103191	DC 24V				
103192	AC 110~230V, 50/60Hz				
103195	DC 12V	35mm DIN Rail 115x60x210mm			
103196	DC 24V				
103197	AC 110~230V, 50/60Hz				

CSSU 120



Order Code	Rated Voltage	Dimensions/Mounting	Rated Power	Dehumidification Capacity	Applicable Volume
103200	DC 12V	Screw Mount 240x146x 63mm	120 W	1000±10%ml/d (35°C, 85%RH)	2~3.5m³
103201	DC 24V				
103202	AC 110~230V, 50/60Hz				



Heater
Fan heater

Excessively low temperatures inside control enclosures, housings and technical installation spaces can cause harmful condensation. Here is how to maintain an ideal climate inside control cabinets at sub-normal temperatures and critical humidity levels: Use our PTC heaters and resistance heaters to warm your control enclosures. Fan-equipped enclosure heaters also boost convection and circulate warm internal air more efficiently.

- Heater
- Fan heater
- Explosion proof heater

HG 140



Order code	Power	Weight	Dimension	Rated Voltage	Heating element	Remarks
102120	15 W	185 g	108x70x57 mm	AC/DC 120~240V	PTC	Silver/Black 35 mm DIN Rail
102121	30 W					
102122	45 W					
102123	60 W					
102124	75 W	380 g	183x70x57 mm			
102125	100 W					
102126	150 W					
102127	200 W	540 g	260x70x57 mm			

HG 040



Order code	Power	Weight	Dimension	Rated Voltage	Heating element	Remarks
102135	15 W	200 g	86x70x55 mm	AC/DC 120~240V	PTC	Silver/Black 35 mm DIN Rail
102136	30 W					
102137	45 W					
102138	60 W					
102139	75 W	375 g	160x70x55 mm			
102140	100 W					
102141	150 W					
102142	200 W	545 g	235x70x55 mm			

HG 340



Order code	Power	Weight	Dimension	Rated Voltage	Heating element	Remarks
102150	15 W	146 g	100x70x32 mm	AC/DC 120~240V	PTC	35 mm DIN Rail
102151	30 W					
102152	45W					
102153	60W	288 g	185x70x32 mm			
102154	75 W					
102155	100 W					
102156	150 W					

RC 016



Order code	Power	Weight	Dimension	Rated Voltage	Heating element	Remarks
102165	8 W	20 g	30x25x12.5 mm	AC/DC 120~240V	PTC	Screw Mounting
102166	10 W	33 g	50x25x12.5 mm			
102167	13 W	40 g	60x25x12.5 mm			

HV 031



Order code	Power	Weight	Dimension	Rated Voltage	Heating element	Remarks
102175	100 W	253 g	131x80x22 mm	AC 110V	Tubular Heater	35 mm DIN Rail
102176	150 W					
102177	200 W	430 g				
102178	300 W					
102179	400 W					
102185	100 W	253 g	152x120x22 mm	AC 230V		
102186	150 W					
102187	200 W	430 g				
102188	300 W					
102189	400 W					

HGK 047



Order code	Power	Weight	Dimension	Rated Voltage	Heating element	Remarks
102195	10 W	110 g	82x25x57 mm	AC/DC 120~240V	PTC	Silver/Black 35 mm DIN Rail
102196	20 W					
102197	30 W					
102198	50 W					

DJR-G



Order code	Power	Weight	Dimension	Rated Voltage	Heating element	Remarks
102205	15 W	56 g	90x50 mm	AC/DC 220V	Heating Wire	Screw Mounting
102206	25 W					
102207	30 W	108 g	90x150 mm			
102208	50 W					
102209	75 W					
102210	100 W	160 g	120x185 mm			
102211	150 W					

DJR



Order code	Power	Weight	Dimension	Rated Voltage	Heating element	Remarks
102220	50 W	280 g	160x100x23 mm	AC/DC 120~240V	PTC	Screw Mounting
102221	75 W					
102222	100 W					
102223	150 W					
102224	200 W					

DJR-500



Order code	Power	Weight	Dimension	Rated Voltage	Heating element	Remarks
102230	300 W	315 g	180x100x25 mm	AC 230V	Heating Wire	Screw Mounting

CS 060



Order code	Power	Weight	Dimension	Rated Voltage	Heating element	Remarks
102240	50 W	465 g	153x60x90 mm	AC/DC 120~240V	PTC	Light Grey/Black 35 mm DIN Rail
102241	100 W					
102242	150 W					

CREX 020



Order code	Power	Weight	Dimension	Rated Voltage	Heating element	Remarks
102250	50 W	1300 g	AC/DC 120~240V	197x75x115 mm	Tubular Heater	35 mm DIN Rail
102251	100 W					
102252	150 W					
102253	200 W					

DJR-F



Order code	Power	Weight	Dimension	Rated Voltage	Heating element	Remarks
102260	75 W	560 g	AC 120V	160x58x100 mm	PTC	35 mm DIN Rail
102261	100 W					
102262	150 W					
102263	200 W					
102270	75 W		AC 230V			
102271	100 W					
102272	150 W					
102273	200 W					

CZ 6090



Order code	Power	Weight	Dimension	Rated Voltage	Heating element	Remarks
102280	150 W	293 g	AC 120V	91x92x64 mm	PTC	35 mm DIN Rail
102281	250 W					
102282	300 W					
102283	400 W					
102284	500 W					
102285	600 W					
102295	150 W		AC 230V			
102296	250 W					
102297	300 W					
102298	400 W					
102299	500 W					
102300	600 W					

HGL 046



Order code	Power	Weight	Dimension	Rated Voltage	Heating element	Remarks
102310	250 W	900 g	AC 120V	188x80x106 mm	PTC	Silver/Black 35 mm DIN Rail
102311	300 W					
102312	400 W	1110 g		226x80x106 mm		
102313	500 W					
102314	600 W					
102320	250 W	900 g	AC 230V	188x80x106 mm		
102321	300 W					
102322	400 W	1110 g		226x80x106 mm		
102323	500 W					
102324	600 W					

CS 130



Order code	Power	Weight	Dimension	Rated Voltage	Heating element	Remarks
102330	800 W	900 g	AC 120V	173x150x120 mm	PTC	35 mm DIN Rail
102331	900 W					
102332	1000 W					
102340	800 W		AC 230V			
102341	900 W					
102342	1000 W					

HVL 031



Order code	Power	Weight	Dimension	Rated Voltage	Heating element	Remarks
102350	100 W	480 g	AC 120V	113x80x55 mm	PTC	35 mm DIN Rail
102351	150 W					
102352	200 W	750 g		152x120x55 mm		
102353	300 W					
102354	400 W					
102360	100 W	480 g	AC 230V	113x80x55 mm		
102361	150 W					
102362	200 W	750 g		152x120x55 mm		
102363	300 W					
102364	400 W					

HGM 050



Order code	Power	Weight	Dimension	Rated Voltage	Heating element	Remarks
102370	300 W	850 g	AC 120V	126x108x120 mm	PTC	35 mm DIN Rail
102371	400 W					
102372	500 W	690 g				
102373	600 W					
102374	700 W					
102375	800 W					
102376	900 W	1350 g		160x130x138 mm		
102377	1000 W					
102378	1200 W					
102379	1500 W					
102390	300 W	850 g	AC 230V	126x108x120 mm		
102391	400 W					
102392	500 W	690 g				
102393	600 W					
102394	700 W					
102395	800 W					
102396	900 W	1350 g		160x130x138 mm		
102397	1000 W					
102398	1200 W					
102399	1500 W					

HGM 070



Order code	Power	Weight	Dimension	Rated Voltage	Heating element	Remarks
102410	400 W	1100 g	AC 120V	155x139x129 mm	PTC	IP 54 35 mm DIN导轨
102411	500 W					
102412	600 W	1390 g				
102413	700 W					
102420	400 W	1100 g	AC 230V	155x139x129 mm		
102421	500 W					
102422	600 W	1390 g				
102423	700 W					

HGS 002



Order code	Power	Weight	Dimension	Rated Voltage	Heating element	Remarks
102430	300 W	1100 g	DC 24V	127x216x44 mm	PTC	Screw Mounting
102431	500 W					
102440	300 W	1210 g	AC 230V			
102441	500 W					

SGS 001



Order code	Power	Weight	Dimension	Rated Voltage	Heating element	Remarks
102450	400 W	1290 g	DC 24V	178x192x36 mm	PTC	35 mm DIN Rail
102451	600 W					
102460	400 W	1400 g	AC 230V			
102461	600 W					

CZ 4040



Order code	Power	Weight	Dimension	Rated Voltage	Heating element	Remarks
102470	50 W	109 g	DC 24V	67x44x66 mm	PTC	35 mm DIN Rail
102471	100 W					
102472	150 W					
102473	200 W					

CZ 4060



Order code	Power	Weight	Dimension	Rated Voltage	Heating element	Remarks
102480	50 W	150 g	DC 24V	75x40x50 mm	PTC	35 mm DIN Rail
102481	100 W					
102482	150 W	216 g		113x40x50 mm		
102483	200 W					

HG 13090



Order code	Power	Weightz	Dimension	Rated Voltage	Heating element	Remarks
102490	30 W	218 g	DC 12V	81x134x17 mm	PTC	Screw Mounting
102491	50 W					
102500	30 W		DC 24V			
102501	50 W					



Fan
And
Filter screen

Optimal cooling for control enclosures is an investment in long-term reliability. Overheating commonly occurs in densely packed control cabinets and can lead to failures of electrical and electronic components. Our filter fans and cabinet fans effectively prevent overheating and component damage.

- Fan
- Filter screen
- Fan filter screen
- Top fan filter screen

ZR 8025	Order code	Rolling Bearing	Rated Voltage	Dimensions	Rated Air Flow	Rated Power	Noise
	20501040	Sleeve Bearing	230 V ~50 Hz/60 Hz	80x80x25 mm	35 m^3/h (21 CFM)	13 W	29 dB(A)
	20501041		115 V ~50 Hz/60 Hz				
	20501050	Ball Bearing	230 V ~50 Hz/60 Hz				35 dB(A)
	20501051		115 V ~50 Hz/60 Hz				

ZR 8038	Order code	Rolling Bearing	Rated Voltage	Dimensions	Rated Air Flow	Rated Power	Noise
	20501060	Sleeve Bearing	230 V ~50 Hz/60 Hz	80x80x38 mm	59 m^3/h (35 CFM)	15 W	35 dB(A)
	20501061		115 V ~50 Hz/60 Hz				
	20501070	Ball Bearing	230 V ~50 Hz/60 Hz				38 dB(A)
	20501071		115 V ~50 Hz/60 Hz				

ZR 9225	Order code	Rolling Bearing	Rated Voltage	Dimensions	Rated Air Flow	Rated Power	Noise
	20501080	Sleeve Bearing	230 V ~50 Hz/60 Hz	92x92x25 mm	56 m^3/h (33 CFM)	15 W	35 dB(A)
	20501081		115 V ~50 Hz/60 Hz				
	20501090	Ball Bearing	230 V ~50 Hz/60 Hz				38 dB(A)
	20501091		115 V ~50 Hz/60 Hz				

ZR 9238	Order code	Rolling Bearing	Rated Voltage	Dimensions	Rated Air Flow	Rated Power	Noise
	20501100	Sleeve Bearing	230 V ~50 Hz/60 Hz	92x92x38 mm	66 m^3/h (39 CFM)	17 W	40 dB(A)
	20501101		115 V ~50 Hz/60 Hz				
	20501110	Ball Bearing	230 V ~50 Hz/60 Hz				43 dB(A)
	20501111		115 V ~50 Hz/60 Hz				

ZR 12025	Order code	Rolling Bearing	Rated Voltage	Dimensions	Rated Air Flow	Rated Power	Noise
	20501120	Sleeve Bearing	230 V ~50 Hz/60 Hz	120x120x25 mm	110 m^3/h (65 CFM)	17 W	40 dB(A)
	20501121		115 V ~50 Hz/60 Hz				
	20501130	Ball Bearing	230 V ~50 Hz/60 Hz				43 dB(A)
	20501131		115 V ~50 Hz/60 Hz				

ZR 12038	Order code	Rolling Bearing	Rated Voltage	Dimensions	Rated Air Flow	Rated Power	Noise
	20501140	Sleeve Bearing	230 V ~50 Hz/60 Hz	120x120x38 mm	134 m^3/h (79 CFM)	18 W	43 dB(A)
	20501141		115 V ~50 Hz/60 Hz				
	20501150	Ball Bearing	230 V ~50 Hz/60 Hz				46 dB(A)
	20501151		115 V ~50 Hz/60 Hz				

ZR 15050	Order code	Rolling Bearing	Rated Voltage	Dimensions	Rated Air Flow	Rated Power	Noise
	20501160	Sleeve Bearing	230 V ~50 Hz/60 Hz	150x150x50 mm	299 m^3/h (176 CFM)	38 W	53 dB(A)
	20501161		115 V ~50 Hz/60 Hz				
	20501170	Ball Bearing	230 V ~50 Hz/60 Hz				55 dB(A)
	20501171		115 V ~50 Hz/60 Hz				

ZR 17251	Order code	Rolling Bearing	Rated Voltage	Dimensions	Rated Air Flow	Rated Power	Noise
	20501180	Sleeve Bearing	230 V ~50 Hz/60 Hz	172x152x51 mm	299 m^3/h (176 CFM)	38 W	53 dB(A)
	20501181		115 V ~50 Hz/60 Hz				
	20501190	Ball Bearing	230 V ~50 Hz/60 Hz				55 dB(A)
	20501191		115 V ~50 Hz/60 Hz				

ZR 17255	Order code	Rolling Bearing	Rated Voltage	Dimensions	Rated Air Flow	Rated Power	Noise
	20501200	Sleeve Bearing	230 V ~50 Hz/60 Hz	172x150x55 mm	321 m^3/h (189 CFM)	37 W	52 dB(A)
	20501201		115 V ~50 Hz/60 Hz				
	20501210	Ball Bearing	230 V ~50 Hz/60 Hz				
	20501211		115 V ~50 Hz/60 Hz				

ZR 18060	Order code	Rolling Bearing	Rated Voltage	Dimensions	Rated Air Flow	Rated Power	Noise
	20501220	Ball Bearing	230 V ~50 Hz/60 Hz	180x180x60 mm	432 m^3/h (254 CFM)	65 W	58 dB(A)
	20501221		115 V ~50 Hz/60 Hz				62 dB(A)

ZR 20060	Order code	Rolling Bearing	Rated Voltage	Dimensions	Rated Air Flow	Rated Power	Noise
CE 	20501240	Ball Bearing	230 V ~50 Hz/60 Hz	200x200x60 mm	469 m^3/h (276 CFM)	65 W	62 dB(A)
	20501241		115 V ~50 Hz/60 Hz				64 dB(A)

ZR 22060	Order code	Rolling Bearing	Rated Voltage	Dimensions	Rated Air Flow	Rated Power	Noise
CE 	20501260	Ball Bearing	230 V ~50 Hz/60 Hz	220x60 mm	469 m^3/h (276 CFM)	65 W	62 dB(A)
	20501261		115 V ~50 Hz/60 Hz				64 dB(A)

ZR 22580	Order code	Rolling Bearing	Rated Voltage	Dimensions	Rated Air Flow	Rated Power	Noise
CE 	20501280	Ball Bearing	230 V ~50 Hz/60 Hz	225x225x80 mm	968 m^3/h (570 CFM)	85 W	65 dB(A)
	20501281		115 V ~50 Hz/60 Hz				

ZR 28080	Order code	Rolling Bearing	Rated Voltage	Dimensions	Rated Air Flow	Rated Power	Noise
CE 	20501300	Ball Bearing	230 V ~50 Hz/60 Hz	280x280x80 mm	1335 m^3/h (786 CFM)	100 W	72 dB(A)
	20501301		115 V ~50 Hz/60 Hz				

1U4-19	Order code	Rolling Bearing	Rated Voltage	Dimensions	Temperature Control Range	Air Velocity
CE 	105620	Ball Bearing	230 V ~50 Hz/60 Hz	120x120x38 mm	0°C~50°C	Adjustable
	105621		115 V ~50 Hz/60 Hz			

Protection class IP54, Material: ABS + polyurethane filter foam

TB 9801	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105060	Filter Fan Unit	AC 115V, 50/60Hz	80x80x25 mm	28 m^3/h (16.5 CFM)	83x83mm
	105050	Filter Fan Unit	AC 230 V, 50/60Hz			
	105061	Filter Fan Unit	AC 115V, 50/60Hz	80x80x38 mm	35 m^3/h (21 CFM)	
	105051	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601060	Filter Unit	–	–	–	

TB 9802	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105080	Filter Fan Unit	AC 115V, 50/60Hz	92x92x25 mm	31 m^3/h(18.2CFM)	92x92mm
	105070	Filter Fan Unit	AC 230 V, 50/60Hz			
	105081	Filter Fan Unit	AC 115V, 50/60Hz	92x92x38 mm	43 m^3/h(25.3CFM)	
	105071	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601061	Filter Unit	–	–	–	

TB 9803	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105100	Filter Fan Unit	AC 115V, 50/60Hz	120x120x25 mm	72 m^3/h(42.3CFM)	122x122mm
	105090	Filter Fan Unit	AC 230 V, 50/60Hz			
	105101	Filter Fan Unit	AC 115V, 50/60Hz	120x120x38 mm	90 m^3/h(53CFM)	
	105091	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601062	Filter Unit	–	–	–	

TB 9804	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105120	Filter Fan Unit	AC 115V, 50/60Hz	120x120x25 mm	76 m^3/h(45CFM)	175x175mm
	105110	Filter Fan Unit	AC 230 V, 50/60Hz			
	105121	Filter Fan Unit	AC 115V, 50/60Hz	120x120x38 mm	93 m^3/h(55CFM)	
	105111	Filter Fan Unit	AC 230 V, 50/60Hz			
	105122	Filter Fan Unit	AC 115V, 50/60Hz	150x150x50 mm	207 m^3/h(122CFM)	
	105112	Filter Fan Unit	AC 230 V, 50/60Hz			
	105123	Filter Fan Unit	AC 115V, 50/60Hz	172x152x51 mm	207 m^3/h(122CFM)	
	105113	Filter Fan Unit	AC 230 V, 50/60Hz			
	105124	Filter Fan Unit	AC 115V, 50/60Hz	172x150x55 mm	224 m^3/h(132CFM)	
	105114	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601063	Filter Unit	–	–	–	

TB 9805	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105140	Filter Fan Unit	AC 115V, 50/60Hz	150x150x50 mm	216 m^3/h(127CFM)	223x223mm
	105130	Filter Fan Unit	AC 230 V, 50/60Hz			
	105141	Filter Fan Unit	AC 115V, 50/60Hz	172x152x51 mm	216 m^3/h(127CFM)	
	105131	Filter Fan Unit	AC 230 V, 50/60Hz			
	105142	Filter Fan Unit	AC 115V, 50/60Hz	172x150x55 mm	233 m^3/h(137CFM)	
	105132	Filter Fan Unit	AC 230 V, 50/60Hz			
	105143	Filter Fan Unit	AC 115V, 50/60Hz	180x180x60 mm	312 m^3/h(183CFM)	
	105133	Filter Fan Unit	AC 230 V, 50/60Hz			
	105144	Filter Fan Unit	AC 115V, 50/60Hz	200x200x60 mm	342 m^3/h(201CFM)	
	105134	Filter Fan Unit	AC 230 V, 50/60Hz			
	105145	Filter Fan Unit	AC 115V, 50/60Hz	220x60 mm	342 m^3/h(201CFM)	
	105135	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601064	Filter Unit	–	–	–	

Protection class IP54, Material: ABS + polyurethane filter foam

TB 9806



Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
105160	Filter Fan Unit	AC 115V, 50/60Hz	172x152x51 mm	228 m^3/h(134CFM)	283x283mm
105150	Filter Fan Unit	AC 230 V, 50/60Hz			
105161	Filter Fan Unit	AC 115V, 50/60Hz	172x150x55 mm	246m^3/h(145CFM)	
105151	Filter Fan Unit	AC 230 V, 50/60Hz			
105162	Filter Fan Unit	AC 115V, 50/60Hz	200x200x60 mm	360 m^3/h(212CFM)	
105152	Filter Fan Unit	AC 230 V, 50/60Hz			
105163	Filter Fan Unit	AC 115V, 50/60Hz	220x60 mm	360 m^3/h(212CFM)	
105153	Filter Fan Unit	AC 230 V, 50/60Hz			
105164	Filter Fan Unit	AC 115V, 50/60Hz	225x225x80 mm	739 m^3/h(435CFM)	
105154	Filter Fan Unit	AC 230 V, 50/60Hz			
105165	Filter Fan Unit	AC 115V, 50/60Hz	280x280x80 mm	1016 m^3/h(598CFM)	
105155	Filter Fan Unit	AC 230 V, 50/60Hz			
20601065	Filter Unit	–	–	–	

TB 9807



Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
105530	Filter Fan Unit	AC 115V, 50/60Hz	120x120x25 mm	76 m^3/h(45CFM)	390x150mm
105540	Filter Fan Unit	AC 230 V, 50/60Hz			
105531	Filter Fan Unit	AC 115V, 50/60Hz	120x120x38 mm	93 m^3/h(55CFM)	
105541	Filter Fan Unit	AC 230 V, 50/60Hz			
105532	Filter Fan Unit	AC 115V, 50/60Hz	150x150x50 mm	207 m^3/h(122CFM)	
105542	Filter Fan Unit	AC 230 V, 50/60Hz			
20601066	Filter Unit	–	–	–	

TB 9810



Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
105550	Filter Fan Unit	AC 115V, 50/60Hz	120x120x25 mm	120 m^3/h(45CFM)	187x92mm
105560	Filter Fan Unit	AC 230 V, 50/60Hz			
105551	Filter Fan Unit	AC 115V, 50/60Hz	120x120x38 mm	93 m^3/h(55CFM)	
105561	Filter Fan Unit	AC 230 V, 50/60Hz			
20601067	Filter Unit	–	–	–	

TB 9820



Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
105570	Filter Fan Unit	AC 115V, 50/60Hz	120x120x25 mm	120 m^3/h(45CFM)	244x122mm
105580	Filter Fan Unit	AC 230 V, 50/60Hz			
105571	Filter Fan Unit	AC 115V, 50/60Hz	120x120x38 mm	93 m^3/h(55CFM)	
105581	Filter Fan Unit	AC 230 V, 50/60Hz			
20601068	Filter Unit	–	–	–	

FB 9802



Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
105650	Filter Fan Unit	AC 115V, 50/60Hz	92x92x25 mm	25m^3/h (14.5CFM)	92x92mm
105640	Filter Fan Unit	AC 230 V, 50/60Hz			
105651	Filter Fan Unit	AC 115V, 50/60Hz	92x92x38 mm	34m^3/h (20CFM)	
105641	Filter Fan Unit	AC 230 V, 50/60Hz			
20601110	Filter Unit	–	–	–	

Protection class IP54, Material: ABS + polyurethane filter foam

FB 9803	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105670	Filter Fan Unit	AC 115V, 50/60Hz	120x120x25 mm	58m³/h (34CFM)	122x122mm
	105660	Filter Fan Unit	AC 230 V, 50/60Hz			
	105671	Filter Fan Unit	AC 115V, 50/60Hz	120x120x38 mm	73m³/h (43CFM)	
	105661	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601111	Filter Unit	–	–	–	

FB 9804	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105690	Filter Fan Unit	AC 115V, 50/60Hz	120x120x25 mm	61m³/h (36CFM)	175x175mm
	105680	Filter Fan Unit	AC 230 V, 50/60Hz			
	105691	Filter Fan Unit	AC 115V, 50/60Hz	120x120x38 mm	74m³/h (43.5CFM)	
	105681	Filter Fan Unit	AC 230 V, 50/60Hz			
	105692	Filter Fan Unit	AC 115V, 50/60Hz	150x150x50 mm	166m³/h (97CFM)	
	105682	Filter Fan Unit	AC 230 V, 50/60Hz			
	105693	Filter Fan Unit	AC 115V, 50/60Hz	172x152x51 mm	166m³/h (97CFM)	
	105683	Filter Fan Unit	AC 230 V, 50/60Hz			
	105694	Filter Fan Unit	AC 115V, 50/60Hz	172x150x55 mm	179m³/h (105CFM)	
	105684	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601112	Filter Unit	–	–	–	

FB 9805	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105710	Filter Fan Unit	AC 115V, 50/60Hz	150x150x50 mm	173m³/h (102CFM)	223x223mm
	105700	Filter Fan Unit	AC 230 V, 50/60Hz			
	105711	Filter Fan Unit	AC 115V, 50/60Hz	172x152x51 mm	173m³/h (102CFM)	
	105701	Filter Fan Unit	AC 230 V, 50/60Hz			
	105712	Filter Fan Unit	AC 115V, 50/60Hz	172x150x55 mm	186m³/h (110CFM)	
	105702	Filter Fan Unit	AC 230 V, 50/60Hz			
	105713	Filter Fan Unit	AC 115V, 50/60Hz	180x180x60 mm	250m³/h (147CFM)	
	105703	Filter Fan Unit	AC 230 V, 50/60Hz			
	105714	Filter Fan Unit	AC 115V, 50/60Hz	200x200x60 mm	274m³/h (161CFM)	
	105704	Filter Fan Unit	AC 230 V, 50/60Hz			
	105715	Filter Fan Unit	AC 115V, 50/60Hz	220x60 mm	274m³/h (161CFM)	
	105705	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601113	Filter Unit	–	–	–	

FB 9806	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105730	Filter Fan Unit	AC 115V, 50/60Hz	172x152x51 mm	182m³/h (107CFM)	283x283mm
	105720	Filter Fan Unit	AC 230 V, 50/60Hz			
	105731	Filter Fan Unit	AC 115V, 50/60Hz	172x150x55 mm	197m³/h (116CFM)	
	105721	Filter Fan Unit	AC 230 V, 50/60Hz			
	105732	Filter Fan Unit	AC 115V, 50/60Hz	200x200x60 mm	288m³/h (170CFM)	
	105722	Filter Fan Unit	AC 230 V, 50/60Hz			
	105733	Filter Fan Unit	AC 115V, 50/60Hz	220x60 mm	288m³/h (170CFM)	
	105723	Filter Fan Unit	AC 230 V, 50/60Hz			
	105734	Filter Fan Unit	AC 115V, 50/60Hz	225x225x80 mm	591m³/h (348CFM)	
	105724	Filter Fan Unit	AC 230 V, 50/60Hz			
	105735	Filter Fan Unit	AC 115V, 50/60Hz	280x280x80 mm	813m³/h (478CFM)	
	105725	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601114	Filter Unit	–	–	–	

Protection class IP54, Material: ABS + polyurethane filter foam

TB 9902



Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
105180	Filter Fan Unit	AC 115V, 50/60Hz	92x92x25 mm	31 m^3/h(18.2CFM)	92x92mm
105170	Filter Fan Unit	AC 230 V, 50/60Hz			
105181	Filter Fan Unit	AC 115V, 50/60Hz	92x92x38 mm	43 m^3/h(25.3CFM)	
105171	Filter Fan Unit	AC 230 V, 50/60Hz			
20601070	Filter Unit	–	–	–	

TB 9903



Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
105200	Filter Fan Unit	AC 115V, 50/60Hz	120x120x25 mm	72 m^3/h(42.3CFM)	122x122mm
105190	Filter Fan Unit	AC 230 V, 50/60Hz			
105201	Filter Fan Unit	AC 115V, 50/60Hz	120x120x38 mm	90 m^3/h(53CFM)	
105191	Filter Fan Unit	AC 230 V, 50/60Hz			
20601071	Filter Unit	–	–	–	

TB 9904



Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
105220	Filter Fan Unit	AC 115V, 50/60Hz	120x120x25 mm	76 m^3/h(45CFM)	175x175mm
105210	Filter Fan Unit	AC 230 V, 50/60Hz			
105221	Filter Fan Unit	AC 115V, 50/60Hz	120x120x38 mm	93 m^3/h(55CFM)	
105211	Filter Fan Unit	AC 230 V, 50/60Hz			
105222	Filter Fan Unit	AC 115V, 50/60Hz	150x150x50 mm	207 m^3/h(122CFM)	
105212	Filter Fan Unit	AC 230 V, 50/60Hz			
105223	Filter Fan Unit	AC 115V, 50/60Hz	172x152x51 mm	207 m^3/h(122CFM)	
105213	Filter Fan Unit	AC 230 V, 50/60Hz			
105224	Filter Fan Unit	AC 115V, 50/60Hz	172x150x55 mm	224 m^3/h(132CFM)	
105214	Filter Fan Unit	AC 230 V, 50/60Hz			
20601072	Filter Unit	–	–	–	

TB 9905



Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
105240	Filter Fan Unit	AC 115V, 50/60Hz	150x150x50 mm	216 m^3/h(127CFM)	223x223mm
105230	Filter Fan Unit	AC 230 V, 50/60Hz			
105241	Filter Fan Unit	AC 115V, 50/60Hz	172x152x51 mm	216 m^3/h(127CFM)	
105231	Filter Fan Unit	AC 230 V, 50/60Hz			
105242	Filter Fan Unit	AC 115V, 50/60Hz	172x150x55 mm	233 m^3/h(137CFM)	
105232	Filter Fan Unit	AC 230 V, 50/60Hz			
105243	Filter Fan Unit	AC 115V, 50/60Hz	180x180x60 mm	312 m^3/h(183CFM)	
105233	Filter Fan Unit	AC 230 V, 50/60Hz			
105244	Filter Fan Unit	AC 115V, 50/60Hz	200x200x60 mm	342 m^3/h(201CFM)	
105234	Filter Fan Unit	AC 230 V, 50/60Hz			
105245	Filter Fan Unit	AC 115V, 50/60Hz	220x60 mm	342 m^3/h(201CFM)	
105235	Filter Fan Unit	AC 230 V, 50/60Hz			
20601073	Filter Unit	–	–	–	

Protection class IP54, Material: ABS + polyurethane filter foam

TB 9906	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105260	Filter Fan Unit	AC 115V, 50/60Hz	172x152x51 mm	228 m^3/h(134CFM)	283x283mm
	105250	Filter Fan Unit	AC 230 V, 50/60Hz			
	105261	Filter Fan Unit	AC 115V, 50/60Hz	172x150x55 mm	246m^3/h(145CFM)	
	105251	Filter Fan Unit	AC 230 V, 50/60Hz			
	105262	Filter Fan Unit	AC 115V, 50/60Hz	200x200x60 mm	360 m^3/h(212CFM)	
	105252	Filter Fan Unit	AC 230 V, 50/60Hz			
	105263	Filter Fan Unit	AC 115V, 50/60Hz	220x60 mm	360 m^3/h(212CFM)	
	105253	Filter Fan Unit	AC 230 V, 50/60Hz			
	105264	Filter Fan Unit	AC 115V, 50/60Hz	225x225x80 mm	739 m^3/h(435CFM)	
	105254	Filter Fan Unit	AC 230 V, 50/60Hz			
	105265	Filter Fan Unit	AC 115V, 50/60Hz	280x280x80 mm	1016 m^3/h(598CFM)	
	105255	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601074	Filter Unit	–	–	–	

TK 3321	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105280	Filter Fan Unit	AC 115V, 50/60Hz	92x92x25 mm	31 m^3/h (18.2CFM)	92x92mm
	105170	Filter Fan Unit	AC 230 V, 50/60Hz			
	105281	Filter Fan Unit	AC 115V, 50/60Hz	92x92x38 mm	43 m^3/h (25.3CFM)	
	105171	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601080	Filter Unit	–	–	–	

TK 3322	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105300	Filter Fan Unit	AC 115V, 50/60Hz	120x120x25 mm	72 m^3/h(42.3CFM)	122x122mm
	105290	Filter Fan Unit	AC 230 V, 50/60Hz			
	105301	Filter Fan Unit	AC 115V, 50/60Hz	120x120x38 mm	90 m^3/h(53CFM)	
	105291	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601081	Filter Unit	–	–	–	

TK 3323	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105320	Filter Fan Unit	AC 115V, 50/60Hz	120x120x25 mm	72 m^3/h(42.3CFM)	176x176mm
	105310	Filter Fan Unit	AC 230 V, 50/60Hz			
	105321	Filter Fan Unit	AC 115V, 50/60Hz	120x120x38 mm	90 m^3/h(53CFM)	
	105311	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601082	Filter Unit	–	–	–	

TK 3323D	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105331	Filter Fan Unit	AC 115V, 50/60Hz	150x150x50 mm	135 m^3/h(79CFM)	176x176mm
	105330	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601083	Filter Unit	–	–	–	

TK 3325	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105350	Filter Fan Unit	AC 115V, 50/60Hz	172x152x51 mm	104 m^3/h(61CFM)	224x224mm
	105340	Filter Fan Unit	AC 230 V, 50/60Hz			
	105351	Filter Fan Unit	AC 115V, 50/60Hz	172x150x55 mm	170 m^3/h(100CFM)	
	105341	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601084	Filter Unit	–	–	–	

Protection class IP54, Material: ABS + polyurethane filter foam

TK 3325D	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105370	Filter Fan Unit	AC 115V, 50/60Hz	180x180x60 mm	170 m^3/h(100CFM)	224x224mm
	105360	Filter Fan Unit	AC 230 V, 50/60Hz			
	105371	Filter Fan Unit	AC 115V, 50/60Hz	200x200x60 mm	205 m^3/h(120CFM)	
	105361	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601085	Filter Unit	–	–	–	

TK 3326	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105381	Filter Fan Unit	AC 115V, 50/60Hz	225x225x80 mm	495 m^3/h(291CFM)	292x292mm
	105380	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601086	Filter Unit	–	–	–	

TK 3326D	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105391	Filter Fan Unit	AC 115V, 50/60Hz	280x280x60 mm	890 m^3/h(524CFM)	292x292mm
	105390	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601087	Filter Unit	–	–	–	

FK 3321	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105750	Filter Fan Unit	AC 115V, 50/60Hz	92x92x25 mm	25m^3/h (14.5CFM)	92x92mm
	105740	Filter Fan Unit	AC 230 V, 50/60Hz			
	105751	Filter Fan Unit	AC 115V, 50/60Hz	92x92x38 mm	34m^3/h (20CFM)	
	105741	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601120	Filter Unit	–	–	–	

FK 3322	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105770	Filter Fan Unit	AC 115V, 50/60Hz	120x120x25 mm	58m^3/h (34CFM)	122x122mm
	105760	Filter Fan Unit	AC 230 V, 50/60Hz			
	105771	Filter Fan Unit	AC 115V, 50/60Hz	120x120x38 mm	73m^3/h (43CFM)	
	105761	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601121	Filter Unit	–	–	–	

FK 3323	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105790	Filter Fan Unit	AC 115V, 50/60Hz	120x120x25 mm	58m^3/h (34CFM)	176x176mm
	105780	Filter Fan Unit	AC 230 V, 50/60Hz			
	105791	Filter Fan Unit	AC 115V, 50/60Hz	120x120x38 mm	73m^3/h (43CFM)	
	105781	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601122	Filter Unit	–	–	–	

FK 3323D	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105801	Filter Fan Unit	AC 115V, 50/60Hz	150x150x50 mm	109m^3/h (64CFM)	176x176mm
	105800	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601123	Filter Unit	–	–	–	

Protection class IP54, Material: ABS + polyurethane filter foam

FK 3325	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105820	Filter Fan Unit	AC 115V, 50/60Hz	172x152x51 mm	84m³/h (50CFM)	224x224mm
	105810	Filter Fan Unit	AC 230 V, 50/60Hz			
	105821	Filter Fan Unit	AC 115V, 50/60Hz	172x150x55 mm	138m³/h (81CFM)	
	105811	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601124	Filter Unit	–	–	–	

FK 3325D	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105840	Filter Fan Unit	AC 115V, 50/60Hz	180x180x60 mm	138m³/h (81CFM)	224x224mm
	105830	Filter Fan Unit	AC 230 V, 50/60Hz			
	105841	Filter Fan Unit	AC 115V, 50/60Hz	200x200x60 mm	166m³/h (98CFM)	
	105831	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601130	Filter Unit	–	–	–	

FK 3326	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105851	Filter Fan Unit	AC 115V, 50/60Hz	225x225x80 mm	401m³/h (236CFM)	292x292mm
	105850	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601131	Filter Unit	–	–	–	

FK 3326D	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105861	Filter Fan Unit	AC 115V, 50/60Hz	280x280x60 mm	721m³/h (424CFM)	292x292mm
	105860	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601132	Filter Unit	–	–	–	

TK 8821	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105410	Filter Fan Unit	AC 115V, 50/60Hz	92x92x25 mm	31 m³/h (18.2CFM)	92x92mm
	105400	Filter Fan Unit	AC 230 V, 50/60Hz			
	105411	Filter Fan Unit	AC 115V, 50/60Hz	92x92x38 mm	43 m³/h (25.3CFM)	
	105401	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601090	Filter Unit	–	–	–	

TK 8822	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105430	Filter Fan Unit	AC 115V, 50/60Hz	120x120x25 mm	72 m³/h(42.3CFM)	122x122mm
	105420	Filter Fan Unit	AC 230 V, 50/60Hz			
	105431	Filter Fan Unit	AC 115V, 50/60Hz	120x120x38 mm	90 m³/h(53CFM)	
	105421	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601091	Filter Unit	–	–	–	

Protection class IP54, Material: ABS + polyurethane filter foam

TK 8823	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105450	Filter Fan Unit	AC 115V, 50/60Hz	120x120x25 mm	72 m^3/h(42.3CFM)	175x175mm
	105440	Filter Fan Unit	AC 230 V, 50/60Hz			
	105451	Filter Fan Unit	AC 115V, 50/60Hz	120x120x38 mm	90 m^3/h(53CFM)	
	105441	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601092	Filter Unit	–	–	–	

TK 8823D	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105461	Filter Fan Unit	AC 115V, 50/60Hz	150x150x50 mm	177 m^3/h(104CFM)	175x175mm
	105460	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601093	Filter Unit	–	–	–	

TK 8825	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105480	Filter Fan Unit	AC 115V, 50/60Hz	172x152x51 mm	190 m^3/h(111CFM)	224x224mm
	105470	Filter Fan Unit	AC 230 V, 50/60Hz			
	105481	Filter Fan Unit	AC 115V, 50/60Hz	172x150x55 mm	215m^3/h(127CFM)	
	105471	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601094	Filter Unit	–	–	–	

TK 8825D	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105500	Filter Fan Unit	AC 115V, 50/60Hz	180x180x60 mm	170 m^3/h(100CFM)	224x224mm
	105490	Filter Fan Unit	AC 230 V, 50/60Hz			
	105501	Filter Fan Unit	AC 115V, 50/60Hz	200x200x60 mm	205 m^3/h(120CFM)	
	105491	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601095	Filter Unit	–	–	–	

TK 8826	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105511	Filter Fan Unit	AC 115V, 50/60Hz	225x225x80 mm	495 m^3/h(291CFM)	292x292mm
	105510	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601096	Filter Unit	–	–	–	

TK 8826D	Order Code	Product Name	Rated Voltage	Compatible Fan Size	Airflow	Cutout Size
	105521	Filter Fan Unit	AC 115V, 50/60Hz	280x280x60 mm	890 m^3/h(524CFM)	292x292mm
	105520	Filter Fan Unit	AC 230 V, 50/60Hz			
	20601097	Filter Unit	–	–	–	

Protection class IP54, Material: ABS + polyurethane filter foam

F2E-DP	Order Code	Product Name	Airflow	Rated Voltage	Cutout Size
	105590	F2E190-230-DP	570~620 m^3/h(335~364CFM)	AC 230 V, 50/60Hz	ϕ190mm
	105591	F2E220-230-DP	860~900 m^3/h(506~529CFM)		
	105592	F2E225-230-DP	1200~1340 m^3/h(706~788CFM)		
	105595	F2E190-115-DP	570~620 m^3/h(335~364CFM)	AC 115 V, 50/60Hz	
	105596	F2E220-115-DP	860~900 m^3/h(506~529CFM)		
	105597	F2E225-115-DP	1200~1340 m^3/h(706~788CFM)		

F2E-DSP	Order Code	Product Name	Airflow	Rated Voltage	Cutout Size
	105600	F2E190-230-DSP	570~620 m^3/h(335~364CFM)	AC 230 V, 50/60Hz	180x180mm
	105601	F2E220-230-DSP	860~900 m^3/h(506~529CFM)		
	105602	F2E225-230-DSP	1200~1340 m^3/h(706~788CFM)		
	105605	F2E190-115-DSP	570~620 m^3/h(335~364CFM)	AC 115 V, 50/60Hz	
	105606	F2E220-115-DSP	860~900 m^3/h(506~529CFM)		
	105607	F2E225-115-DSP	1200~1340 m^3/h(706~788CFM)		

F2E-DGP	Order Code	Product Name	Airflow	Rated Voltage	Cutout Size
	105610	F2E190-230-DGP	570~620 m^3/h(335~364CFM)	AC 230 V, 50/60Hz	258x258mm
	105611	F2E220-230-DGP	860~900 m^3/h(506~529CFM)		
	105612	F2E225-230-DGP	1200~1340 m^3/h(706~788CFM)		
	105613	F2E225-230-DGP	1450~1620 m^3/h(853~954CFM)		
	105615	F2E190-115-DGP	570~620 m^3/h(335~364CFM)	AC 115 V, 50/60Hz	
	105616	F2E220-115-DGP	860~900 m^3/h(506~529CFM)		
	105617	F2E225-115-DGP	1200~1340 m^3/h(706~788CFM)		
	105618	F2E225-115-DGP	1450~1620 m^3/h(853~954CFM)		



Lighting And Accessories

Achieve round-the-clock optimal lighting inside cabinets and control enclosures. These compact, maintenance-free and energy-saving LED cabinet lights deliver excellent visibility and workplace safety with minimal installation effort.

- LED lamp
- Explosion proof lamp

LL10-W	Order Code	Base Type	Rated Voltage	Dimensions	Mount Mode	Rated Power	Service Life
	114000	LED	AC 220 V	24x40x138mm	Screw Mount	10 W	>50000小时

CM-1	Order Code	Base Type	Rated Voltage	Dimensions	Mount Mode	Rated Power	Service Life
	114010	LED	AC 220 V	77x40x115mm	Recessed Mount	10 W	>50000小时

CM-2	Order Code	Base Type	Rated Voltage	Dimensions	Mount Mode	Rated Power	Service Life
	114020	LED	AC 220 V	80x40x30mm	35mm DIN Rail	10 W	>50000小时

LGM-D	Order Code	Base Type	Rated Voltage	Dimensions	Mount Mode	Rated Power	Service Life
	114030	LED	AC 220 V	85x60x40mm	Screw Mount	10 W	>50000小时

XTD	Order Code	Rated Power	Dimensions	Rated Voltage	Mount Mode	Base Type	Service Life
	114040	10 W	425x50x117 mm	AC 230 V	Fluorescent Tube	Screw Mount	>20000小时
	114041	14 W	450x50x117 mm				
	114042	18 W	685x50x117 mm				
	114043	30 W	990x50x117 mm				

Door Switch	Order Code	Model	Total Length	Color
	114050	TMK500	500mm	White
	114051	TMK500	500mm	Orange
	114052	TMK1000	1000mm	White
	114053	TMK1000	1000mm	Orange

Door Switch	Order Code	Model	Total Length	Color
	114060	TQJ600	600mm	Orange
	114061	TQJ1000	1000mm	Orange
	114062	TQJ4000	4000mm	Orange

Power Cord	Order Code	Model	Total Length	Color
	114070	TDY1000	1000mm	Orange
	114071	TDY2000	2000mm	Orange
	114072	TDY4000	3000mm	Orange

Cabinet File	Order Code	Model	Total Length	Color
	114080	TWJ-1	263*233.5*32.5mm	Orange
	114081	TWJ-2	263*233.5*32.5mm	Khaki
	114082	TWJ-3	263*233.5*32.5mm	Beige

NOXT

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For the millimeter.

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