Distribution Boxes
HRMD95 Series Explosion-proof Distribution Panels

- Explosion protection to
  -CENELEC
  -IEC
  -NEC
- Can be used in
  Zone 1 and Zone 2
  Zone 21 and Zone 22
  Class I, Zone 1 and Zone 2
  Class I, Division 1, Groups B, C, D
- Flameproof enclosure (Ex d IIB+H_2), which can be used as feed distribution equipment in control and distribution system(such as distribution box, switch box of main circuit ,control box, terminal box or motor starting box etc.)
- Copper-free Aluminium Alloy enclosure, powder coated surface.
- Equipped with specialized hinge structure, which can prevent the flameproof joints from damage when opening and closing the box, and greatly prolong the service life of box.
- The boxes can be combined and installed freely to save space and meet the requirements of various distribution systems.
- Special requirements on request.
- The large space of the enclosure makes it easy for wire assembling.
- Adopting high-precision machining, excellent explosion-proof performance.
- Professionally designed door handles, reliable and safe when opening the door.
- Professionally designed hinges, reliable and safe when opening the door.
- The intelligent distribution panel is equipped with remote transmission capabilities, supporting intelligent control, interconnection and coordination, data monitoring, and early warning protection, and offers various Internet of Things (IoT) interface options. Intelligent functions can be customized according to user requirements.

Catalogue number logic

HRMD 95 - □ / □ / □

- Rated current (A)
- Rated voltage (V)
- Specification code(VIIIB, IXB)
- Design No.
- Explosion-proof distribution panels

Zones1& 2; 21& 22

Technical data

Explosion-proof distribution panels HRMD95-□/□/□

Explosion protection	
Global (IECEx)	IECEx PCET 24.0030X
Gas and dust	Ex db IIB+H_2 T□[1] Gb Ex db [ia Ga] IIB+H_2 T□[1] Gb Ex db [ib Gb] IIB+H_2 T□[1] Gb Ex tb IIIC T□[1] Db
Europe (ATEX)	ACE 25 ATEX 033X
Gas and dust	Ⓔx II 2 G Ex db IIB+H_2 T□[1] Gb Ⓔx II 2 G Ex db [ia Ga] IIB+H_2 T□[1] Gb Ⓔx II 2 G Ex db [ib Gb] IIB+H_2 T□[1] Gb Ⓔx II 2 D Ex tb IIIC T□[1] Db
	[1]See table for max. dissipated power
Certificates	IECEx; ATEX
Conformity to standards	EN 60079-0, EN 60079-1, EN 60079-11, EN 60079-31 IEC 60079-0, IEC 60079-1, IEC 60079-11, IEC 60079-31
Enclosure material	Copper-free Aluminium Alloy enclosure, powder coated surface, window grey (RAL7040)
Exposed fastener	Stainless steel
Built-in components	The cover panel components include buttons, indicator lights, circuit breakers, and operating handles for universal switches, glass windows, etc. The internal components of the enclosure include MCCBs, MCBs, AC contactors, thermal relays, intermediate relays, fuses, transformers, PLCs, soft starters, inverters, terminal blocks, appropriately certified intrinsic safety associated apparatus, switches, gateways, power supplies, small solar panels, fire control modules, and transmitters, Light-operated switch, Time controller, Optical fiber control box, Magnet valve, Analytical instrument, Heater, Self-regulation trace heating cable, Magnetic ballast of HID light source, Electronic ballast of fluorescent lamp, Driver of LED light source, Ammeter, voltmeter, power meter, tachometer, temperature control meter, etc, Disconnecting switch, Time relay, DC power supply, Current transformer, Surge protector, Emergency device of HID light source, Emergency device of fluorescent lamp, Emergency device of LED light source, Safety barrier, Integrated protector of motor, Lighting building controller, Lighting energy saving controller, Fire monitoring controller, PLC, Temperature controller, Humidity controller, Current monitor, Voltage monitor, Motor protection switch, Dual power transfer switch, Counter, Timer, Solid state relay, Diode module, Industrial Personal Computer, UPS, Battery.
Rated voltage	Max. 1000V AC 50/60Hz Max. 1500V DC
Rated current	Max. 2000A
Degree of protection	IP66
Internal & external earthing	M8/M8
Ambient temperature	-60°C(-40°C)~+60°C(+40°C)
Cable entries	Standard M□×1.5 plug (the size of entry hole should be processed in accordance with actual requirements), NPT □ plug on request.
Cable gland (optional)	DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P6/24~39.
Entry direction	Bottom
Mounting	Surface type (standard) Pedestal type (optional)

See table for max. dissipated power

Type	Ta max	Cover without glass window			Cover with glass window		
		T4/T130°C	T5/T95°C	T6/T80°C	T4/T130°C	T5/T95°C	T6/T80°C
HRMD95-VIIIB	Ta max=40/60°C	2100/1600	1340/840	840/500	2070/1770	1310/820	820/475
HRMD95-IXB	Ta max=40/60°C	2700/2200	1980/1200	1200/770	2670/2175	1950/1175	1175/750

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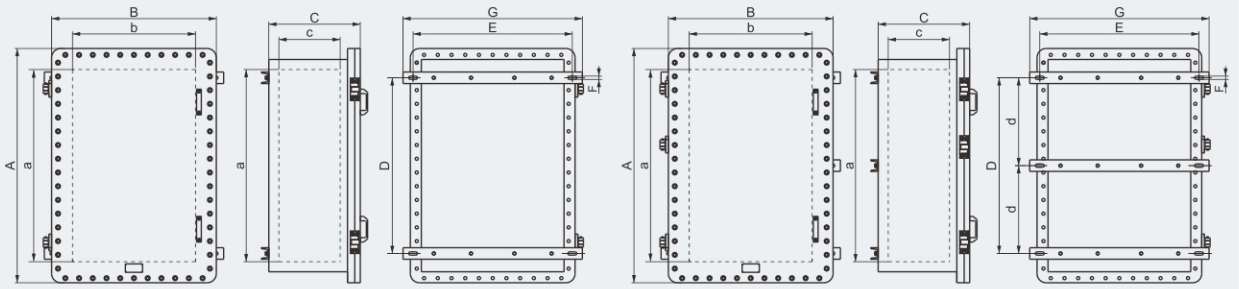
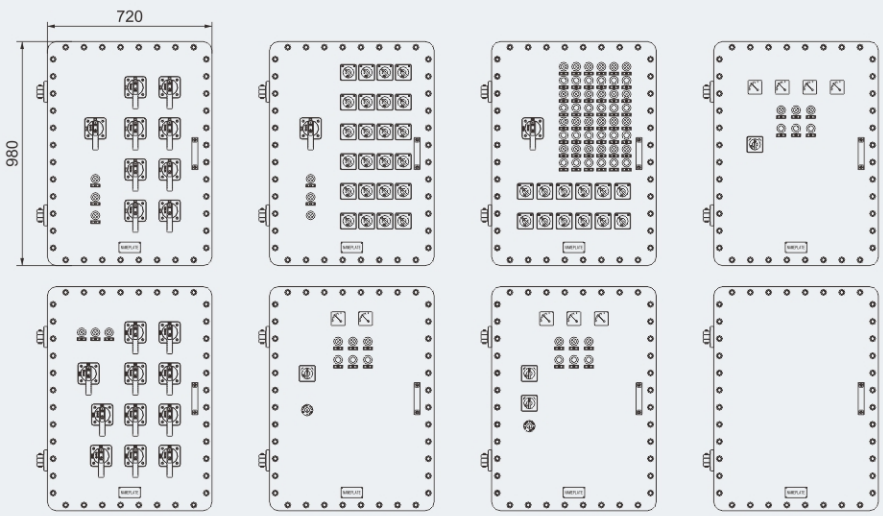
Dimension drawings (all dimensions in mm) - subject to alteration



HRMD95-VIIIB HRMD95-IXB

Model	A	B	C	a	b	c	d	D	E	F	G
HRMD95-VIIIB	980	720	425	800	540	270	-	830	700	14	750
HRMD95-IXB	1280	900	500	1050	670	330	540	1080	850	14	900

Typical scheme diagram

Enclosure type	Components arrangement
HRMD95-VIIIB	
HRMD95-IXB