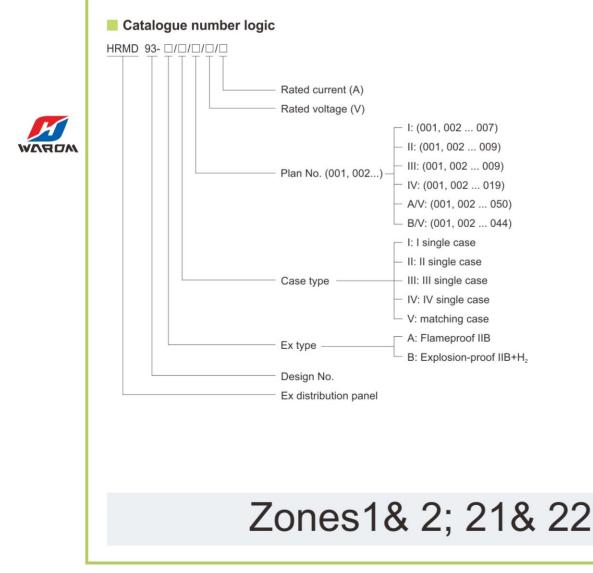
Distribution Boxes HRMD93 Series Explosion-proof Distribution Panels



- 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 2, Groups A, B, C, D
- Main switch and branch switch are operated with external rotary actuator.
- Internal wiring to the terminal is finished.
- International brand of explosion-proof terminal blocks.
- Copper-free Aluminium Alloy, powder coated surface.
- Entries plugged. Cable glands on request (see P7/17~29).
- Special requirements on request.



Technical data

Explosion-proof distribution panels HRMD93-□/□/□/□ Explosion protection (clobal (ECEX) ECEX PCET 22.0011X Gas and dust Ambient temperature range: -60℃ ≤ Ta ≤ +40(+60℃) Ex do IIB 7671 d Gb Ex do IIB 7671 d Gb Ex to IIIC Ta 0℃	lechnical data					
Global (JECEx) IECEx PCET 22 0011X Gas and dust Ambient temperature range: -0°C ≤ Ta ≤ +40(+60°C) Ex do IIB HT6T4 Gb Ex do IIB HT6T4 Gb Ex do IIB HT6T4 Gb Ex do IIB Ga JIB T6T4 Gb Ex do IIG Ga JIB HT6T4 Gb Ex do IIG Ga JIB HT76T4 Gb Ex do IIG Ga JIB HT76T4 Gb Ex do IIG Ca JIB HT76T4 Gb Ex do IIG Ca JIB HT76T4 Gb Ex do IIG Ca JIB HT76T4 Gb Gas and dust Ambient temperature range: -00°C ≤ Ta ≤ +40(+60°C) Gui L C E x do IIB Ca T14 Gb Gui L 2 G Ex do IIB Ca JIB T6T4 Gb Gui L 2 G Ex do IIG Ca JIB T6T4 Gb Gui L 2 G Ex do IIG Ca JIB T6T4 Gb Gui L 2 G Ex do IIG Ca JIB T6T4 Gb Gui L 2 G Ex do IIG CA JIB HT6T4 Gb Gui L 2 G Ex do IIG CA JIB HT4T4 Gb Gui L 2 G Ex do IIG CA JIB HT4T4 Gb Gui L 2 D Ex to IIC T80°CT130°C Db Cartificates Certificates Certificates Ext Bill C Carton Gas and dust Max 2000A Ext D (C Carton H 2 D Ex to IIC T80°C	Explosion-proof distribution par	nels HRMD93-□/□/□/□				
Gas and dust Ambient temperature range: -60℃ <ta≤+40(+60℃)< td=""> Ex db IIB TET4 Gb Ex db IIB TET4 Gb Ex db IIB TET4 Gb Ex db IIG Gal IIB TET4 Gb Ex db IIG Gal IIB TGT4 Gb Ex db IIG Gal IIB TGT4 Gb Ex db IIG Gal IIB TGT4 Gb Ex db IIG Gal IIB TGT4 Gb Ex db IIG Gal IIB TGT4 Gb Ex db IIG Gal IIB TGT4 Gb Ex db IIG Gal IIB TGT4 Gb Ex db IIG Gal IIB TGT4 Gb Gas and dust Ambient temperature range: -60℃ <ta≤+40(+60℃)< td=""> Gas and dust Ambient temperature range: -60℃ <ta≤+40(+60℃)< td=""> Gas and dust Ambient temperature range: -60℃ <ta≤+40(+60℃)< td=""> Gas and dust Ambient temperature range: -60℃ <ta≤+40(+60℃)< td=""> Gas and dust Ambient temperature range: -60℃ <ta≤+40(+60℃)< td=""> Gas and dust Gas (IIE TGT4 Gb Gas and dust Gas (IIE TGT4 Gb Gas (IIE 2 Ex bd IIE TGT4 Gb Gil 12 G Ex bd IIE Gal IIB THT4 Gb Gas (IIE 2 Ex bd IIC TGO℃T130℃ Db Ambient temperature range: -40℃ <ta≤+40(+60℃)< td=""> Gas (IIE 2 Ex bd IIC 100℃T130℃ Db Gas (IIE 2 Ex bd IIC 60079-1, IEC 600079-1, IEC 60079-1, IEC 60079-1, IEC 60079-1, IEC 60079-1, IEC 6</ta≤+40(+60℃)<></ta≤+40(+60℃)<></ta≤+40(+60℃)<></ta≤+40(+60℃)<></ta≤+40(+60℃)<></ta≤+40(+60℃)<></ta≤+40(+60℃)<>	Explosion protection					
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Ex tb IIIC T80°CT130°C Db Ambient temperature range: .40°C ≤Ta ≤ +40(+60°C) Ex db [Ga G] IIB TT4 Gb Ex db [II C 80°CT130°C Db Gas and dust Ambient temperature range: .60°C <ta +40(+60°c)<="" td="" ≤=""> Gas and dust Gas lI 2 C Ex db IIB T6T4 Gb Gal 12 C Ex db IIB T6T4 Gb Gal 12 C Ex db IIB T6T4 Gb Gal 12 C Ex db IIB T6T4 Gb Gal 12 C Ex db [Ga J] IIB T6T4 Gb Gal 12 C Ex db [Ga J] IIB T4T4 Gb Gal 12 C Ex db [Ga J] IIB T6T4 Gb Gal 12 C Ex db [Ga J] IIB T6T4 Gb Gal 12 C Ex db [Ga J] IIB T6T4 Gb Gal 12 C Ex db [Ga J] IIB T6T4 Gb Gal 12 C Ex db [Ga J] IIB T4T4 Gb Gal 12 C Ex db [Ga J] IIB T6T4 Gb Gal 12 C Ex db [Ga J] IIB T4T4 Gb Gal 12 C Ex db [Ga GJ] IIB T4T6T4 Gb Gal 12 C Ex db [Ga GJ] IIB T4T6T4 Gb Gal 12 C Ex db [Ga GJ] IIB T4T6T4 Gb Gal 12 C Ex db [Ga GJ] IIB T4T6T4 Gb Gal 12 C Ex db [Ga GJ] IIB T4T6T4 Gb Gal 12 C Ex db [Ga GJ] IIB T4T6T4 Gb Gal 12 C Ex db [Ga GJ] IIB T4T6T4 Gb</ta>		Ex db IIB T6T4 Gb				
Ambient temperature range: -40℃ ≤ Ta ≤ +40(+60℃) Ex db [ia Ga] IB T6T4 Gb Ex db [ia Ga] IB H, T6T4 Gb Ex db [ia Ga] IB T6T4 Gb Ex db [ia Gb] IB H, T6T4 Gb Ex db [ia Gb] IB H, T6T4 Gb Gas and dust Ambient temperature range: -60℃ ≤ Ta ≤ +40(+60℃) ④ II 2 G Ex db IB T6T4 Gb ④ II 2 G Ex db IB H, T6T4 Gb ④ II 2 G Ex db IB H, T6T4 Gb ④ II 2 G Ex db IB H, T6T4 Gb ④ II 2 G Ex db IB H, T6T4 Gb ④ II 2 G Ex db [ib Gb] IIB T6T4 Gb ④ II 2 G Ex db [ib Gb] IIB T6T4 Gb ④ II 2 G Ex db [ib Gb] IIB T6T4 Gb ④ II 2 G Ex db [ib Gb] IIB T6T4 Gb ④ II 2 G Ex db [ib Gb] IIB T6T4 Gb ④ II 2 G Ex db [ib Gb] IIB T6T4 Gb ④ II 2 G Ex db III C 60079-11. EC 60079-11. EC 60079-31 IEC 60079-0. IEC 60079-0.1 EC 60079-31		Ex db IIB+H ₂ T6T4 Gb				
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Ex db [b Gb] IIB T6T4 Gb Ev db [a Ga] IIB+H, T6T4 Gb Ex db [a Ga] IIB+H, T6T4 Gb Ex bb [IIC T80°CT130°C Db Gas and dust Ambient temperature range: -60°C ≤Ta ≤+40(+60°C) Gu [1 2 G Ex db IIB T6T4 Gb Gu [1 2 G Ex db IIB T6T4 Gb Gu [1 2 G Ex db IIB T6T4 Gb Gu [1 2 G Ex db IIB T6T4 Gb Gu [1 2 G Ex db IIB T6T4 Gb Gu [1 2 G Ex db IIG T60°CT130°C Db Ambient temperature range: -40°C ≤Ta ≤+40(+60°C) Gu [1 2 G Ex db [1 G Ga] IIB T6T4 Gb Gu [1 2 G Ex db [1 G Ga] IIB T6T4 Gb Gu [1 2 G Ex db [1 G Ga] IIB T6T4 Gb Gu [1 2 G Ex db [1 G Ga] IIB T6T4 Gb Gu [1 2 G Ex db [1 G Ga] IIB T6T4 Gb Gu [1 2 G Ex db [1 G Ga] IIB T6T4 Gb Gu [1 2 G Ex db [1 G Ga] IIB T6T4 Gb Gu [1 2 G Ex db [1 G Ga] IIB T6T4 Gb Gu [1 2 G Ex db [1 G Ga] IIB T6T4 Gb Gu [1 2 G Ex db [1 G Ga] IIB T6T4 Gb Gu [1 2 G Ex db [1 G Ga] IIB T6T4 Gb Gu [1 2 G Ex db [1 G Ga] IIB T6T4 Gb Gu [1 2 G Ex db [1 G Ga] IIB T6T4 Gb Gu [1 2 G Ex db [1 G Ga] IIB T6T4 Gb Gu [1 2 G Ex db [1 G Ga] IIB T6T4 Gb Gu [1 2 G Ex db [1 G Ga] IIB T6T4 Gb		Ambient temperature range: -40°C≤Ta≤+40(+60°C)				
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Europe (ATEX)TPS 23 ATEX 089761 0029 XGas and dustAmbient temperature range: $-60^{\circ} C \leqslant Ta \leqslant +40(+60^{\circ} C)$ \bigcirc II 2 G Ex db IIB TGT4 Gb \bigcirc II 2 G Ex db IIB+T, TGT4 Gb \bigcirc II 2 G Ex db IIB+T, TGT4 Gb \bigcirc II 2 G Ex db IIB HH, TGT4 Gb \bigcirc II 2 G Ex db IIG Ga] IIB TGT4 Gb \bigcirc II 2 G Ex db IIG Ga] IIB TGT4 Gb \bigcirc II 2 G Ex db IIG Ga] IIB TGT4 Gb \bigcirc II 2 G Ex db IIG Ga] IIB HH, TGT4 Gb \bigcirc II 2 G Ex db IIG Ga] IIB+T, TGT4 Gb \bigcirc II 2 G Ex db IIG GB] IIB+T, TGT4 Gb \bigcirc II 2 G Ex db IIG CDT130 ^o C DbCertificatesCertificatesConformity to standardsEN 60079-0, EN 60079-1, EN 60079-11, EN 60079-31IEC 60079-0, EN 60079-0, EN 60079-11, EC 60079-31IEC 60079-0, EN 60079-0, EN 60079-11, EC 60079-31IEC 60079-0, EN 60079-1, IEC 60079-11, IEC 60079-31IEC 60079-0, EN 60079-0, EN 60079-11, IEC 60079-31IEC 60079-0, EN 60079-0, EN 60079-11, IEC 60079-31Rated currentMax. 2000AExposed fastenerStainless steelEnclosure colourWindow grey (RAL7040)Built-in componentsMain switchMCB (miniature circuit breaker) or MCCB (moulded case circuit breaker) Note: earth leakage protection on requestBranch switchMCB (miniature circuit breaker) or MCCB (moulded case circuit breaker) Note: earth leakage protection on requestIndicatorRed, green, yellowDegree of protectionMGB (miniature dircuit breaker) or MCCB (moulded case circuit breaker) Note:		Ex db [ib Gb] IIB+H ₂ T6T4 Gb				
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Image: Image	Gas and dust	Ambient temperature range: -60 $^{\circ}C \le Ta \le +40(+60 ^{\circ}C)$				
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Image: Section 2 Image: Section 2 Image: Section 2		Ambient temperature range: -40°C≤Ta≤+40(+60°C)				
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CertificatesIECEx; ATEXConformity to standardsEN 60079-0, EN 60079-1, EN 60079-11, EN 60079-31Rated voltageLow voltage: MAX. 1000V AC 50/60Hz; MAX. 1500V DCHigh voltage: 6kV, 10kV, 24kV, 35kV AC 50/60HzRated currentMax. 2000AExposed fastenerStainless steelEnclosure materialCopper-free Aluminium Alloy, powder coated surfaceBuilt-in componentsMain switchMCB (miniature circuit breaker) or MCCB (moulded case circuit breaker) Note: earth leakage protection on requestBranch switchMCB (miniature circuit breaker) or MCCB (moulded case circuit breaker) Note: earth leakage protection on requestTerminalInternational brand of terminal blocks IndicatorInternat&external earthingM6/M8, M8/M8Ambient temperature $-40^{\circ}C < Ta < +40(+60^{\circ}C), -60^{\circ}C < Ta < +40(+60^{\circ}C)Cable gland (optional)DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20-29Entry directionBottomMountingSurface type (standard)$						
Conformity to standardsEN 60079-0, EN 60079-11, EN 60079-11, EN 60079-31Rated voltageIEC 60079-0, IEC 60079-1, IEC 60079-31Rated voltageLow voltage: MAX. 1000V AC 50/60Hz; MAX. 1500V DCHigh voltage: 6kV, 10kV, 24kV, 35kV AC 50/60HzRated currentMax. 2000AExposed fastenerStainless steelEnclosure materialCopper-free Aluminium Alloy, powder coated surfaceBuilt-in componentsWindow grey (RAL7040)Built-in componentsMCB (miniature circuit breaker) or MCCB (moulded case circuit breaker) Note: earth leakage protection on requestBranch switchMCB (miniature circuit breaker) or MCCB (moulded case circuit breaker) Note: earth leakage protection on requestTerminalInternational brand of terminal blocksIndicatorRed, green, yellowDegree of protectionIP66International brand of terminal blocksInternaticat aerthingM6/M8, M8/M8Ambient temperature-40°C <ta -60°c="" <+40(+60°c),="" <+40(+60°c)<="" <ta="" td="">Cable gland (optional)DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20-29Entry directionBottomMountingSurface type (standard)</ta>	Cortificator					
IEC 60079-0, IEC 60079-1, IEC 60079-11, IEC 60079-31 Rated voltage Low voltage: MAX. 1000V AC 50/60Hz; MAX. 1500V DC High voltage: 6kV, 10kV, 24kV, 35kV AC 50/60Hz Rated current Max. 2000A Exposed fastener Stainless steel Enclosure material Copper-free Aluminium Alloy, powder coated surface Enclosure colour Window grey (RAL7040) Built-in components MCB (miniature circuit breaker) or MCCB (moulded case circuit breaker) Main switch MCB (miniature circuit breaker) or MCCB (moulded case circuit breaker) Note: earth leakage protection on request Note: earth leakage protection on request Terminal International brand of terminal blocks Indicator Red, green, yellow Degree of protection IP66 Internati&external earthing M6/M8, M8/M8 Ambient temperature -40°C ≤ Ta ≤+40(+60°C) Cable gland (optional) DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20-29 Entry direction Bottom Mounting Surface type (standard)						
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High voltage: 6kV, 10kV, 24kV, 35kV AC 50/60HzRated currentMax. 2000AExposed fastenerStainless steelEnclosure materialCopper-free Aluminium Alloy, powder coated surfaceEnclosure colourWindow grey (RAL7040)Built-in componentsMCB (miniature circuit breaker) or MCCB (moulded case circuit breaker) Note: earth leakage protection on requestBranch switchMCB (miniature circuit breaker) or MCCB (moulded case circuit breaker) Note: earth leakage protection on requestTerminal IndicatorInternational brand of terminal blocks Red, green, yellowDegree of protectionIP66Internal&external earthingM6/M8, M8/M8Ambient temperature vith actual requirements), NPT □ plug on request.Cable gland (optional)DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~29Entry directionSurface type (standard)	Rated voltage					
Rated currentMax. 2000AExposed fastenerStainless steelEnclosure materialCopper-free Aluminium Alloy, powder coated surfaceEnclosure colourWindow grey (RAL7040)Built-in componentsMCB (miniature circuit breaker) or MCCB (moulded case circuit breaker) Note: earth leakage protection on requestMain switchMCB (miniature circuit breaker) or MCCB (moulded case circuit breaker) Note: earth leakage protection on requestBranch switchMCB (miniature circuit breaker) or MCCB (moulded case circuit breaker) Note: earth leakage protection on requestIndicatorMCB (miniature circuit breaker) or MCCB (moulded case circuit breaker) Note: earth leakage protection on requestDegree of protectionInternational brand of terminal blocks Red, green, yellowDegree of protectionIP66Internal&external earthingM6/M8, M8/M8Ambient temperature-40℃ < Ta < +40(+60℃), -60℃ < Ta < +40(+60℃)						
Exposed fastenerStainless steelEnclosure materialCopper-free Aluminium Alloy, powder coated surfaceEnclosure colourWindow grey (RAL7040)Built-in componentsMCB (miniature circuit breaker) or MCCB (moulded case circuit breaker) Note: earth leakage protection on requestBranch switchMCB (miniature circuit breaker) or MCCB (moulded case circuit breaker) Note: earth leakage protection on requestTerminalInternational brand of terminal blocksIndicatorRed, green, yellowDegree of protectionIP66Internal&external earthingM6/M8, M8/M8Ambient temperature-40°C < Ta < +40(+60°C), -60°C < Ta < +40(+60°C)Cable entriesStandard M[] x 1.5 plug (the size of entry hole should be processed in accordance with actual requirements), NPT [] plug on request.Cable gland (optional)DQM-III (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~29Entry directionSurface type (standard)	Rated current					
Enclosure colour Built-in componentsWindow grey (RAL7040)Main switchMCB (miniature circuit breaker) or MCCB (moulded case circuit breaker) Note: earth leakage protection on requestBranch switchMCB (miniature circuit breaker) or MCCB (moulded case circuit breaker) Note: earth leakage protection on requestTerminal IndicatorInternational brand of terminal blocksRed, green, yellowRed, green, yellowDegree of protectionIP66Internal&external earthingM6/M8, M8/M8Ambient temperature-40°C < Ta < +40(+60°C), -60°C < Ta < +40(+60°C)Cable entriesStandard M x 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 P7/20~29Entry directionSurface type (standard)						
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Main switchMCB (miniature circuit breaker) or MCCB (moulded case circuit breaker) Note: earth leakage protection on requestBranch switchMCB (miniature circuit breaker) or MCCB (moulded case circuit breaker) Note: earth leakage protection on requestTerminal IndicatorInternational brand of terminal blocks Red, green, yellowDegree of protectionIP66Internal&external earthingM6/M8, M8/M8Ambient temperature-40°C <ta -60°c="" <+40(+60°c),="" <+40(+60°c)<="" <ta="" td="">Cable entriesStandard M_ x 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 P7/20~29Entry directionSurface type (standard)</ta>	Enclosure colour	Window grey (RAL7040)				
Branch switchNote: earth leakage protection on requestMCB (miniature circuit breaker) or MCCB (moulded case circuit breaker)Note: earth leakage protection on requestTerminalInternational brand of terminal blocksIndicatorRed, green, yellowDegree of protectionIP66Internal&external earthingM6/M8, M8/M8Ambient temperature-40°C ≤ Ta ≤ +40(+60°C), -60°C ≤ Ta ≤ +40(+60°C)Cable entriesStandard M□ x 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 P7/20~29BottomSturface type (standard)	Built-in components					
Branch switchMCB (miniature circuit breaker) or MCCB (moulded case circuit breaker) Note: earth leakage protection on requestTerminal IndicatorInternational brand of terminal blocks Red, green, yellowDegree of protectionIP66Internal&external earthingM6/M8, M8/M8Ambient temperature-40℃ ≤ Ta ≤ +40(+60℃), -60℃ ≤ Ta ≤ +40(+60℃)Cable entriesStandard M□ x 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 P7/20~29Entry directionBottomMountingSurface type (standard)	Main switch	MCB (miniature circuit breaker) or MCCB (moulded case circuit breaker)				
IndextopNote: earth leakage protection on requestTerminalInternational brand of terminal blocksIndicatorRed, green, yellowDegree of protectionIP66Internal&external earthingM6/M8, M8/M8Ambient temperature-40℃ <ta≤+40(+60℃), -60℃<ta≤+40(+60℃)<="" td="">Cable entriesStandard M□ x 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 P7/20~29Entry directionBottomMountingSurface type (standard)</ta≤+40(+60℃),>		Note: earth leakage protection on request				
Terminal IndicatorInternational brand of terminal blocksIndicatorRed, green, yellowDegree of protectionIP66Internal&external earthingM6/M8, M8/M8Ambient temperature-40°C ≤ Ta ≤ +40(+60°C), -60°C ≤ Ta ≤ +40(+60°C)Cable entriesStandard M□ x 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 P7/20~29Entry directionBottomMountingSurface type (standard)	Branch switch	MCB (miniature circuit breaker) or MCCB (moulded case circuit breaker)				
IndicatorRed, green, yellowDegree of protectionIP66Internal&external earthingM6/M8, M8/M8Ambient temperature-40°C < Ta < +40(+60°C), -60°C < Ta < +40(+60°C)		Note: earth leakage protection on request				
Degree of protection IP66 Internal&external earthing M6/M8, M8/M8 Ambient temperature -40℃ ≤ Ta ≤ +40(+60℃), -60℃ ≤ Ta ≤ +40(+60℃) Cable entries Standard M□ x 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 P7/20~29 Entry direction Bottom Mounting Surface type (standard)	Terminal	International brand of terminal blocks				
Internal&external earthing M6/M8, M8/M8 Ambient temperature -40℃ ≤ Ta ≤ +40(+60℃), -60℃ ≤ Ta ≤ +40(+60℃) Cable entries Standard M□ x 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 P7/20~29 Entry direction Bottom Mounting Surface type (standard)		Red, green, yellow				
Ambient temperature -40 ℃ ≤ Ta ≤ +40(+60 ℃), -60 ℃ ≤ Ta ≤ +40(+60 ℃) Cable entries Standard M □ x 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 P7/20~29 Entry direction Bottom Mounting Surface type (standard)						
Cable entries Standard M x 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 P7/20~29 Entry direction Bottom Mounting Surface type (standard)	-					
with actual requirements), NPT plug on request.Cable gland (optional)DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~29Entry directionBottomMountingSurface type (standard)	Ambient temperature					
Cable gland (optional)DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~29Entry directionBottomMountingSurface type (standard)	Cable entries					
Entry direction Bottom Mounting Surface type (standard)						
Mounting Surface type (standard)		DQM-II (Ex d) or DQM-III (Ex d) is recommended. Please see P7/20~29				
Pedestal type (optional)	Mounting					
· · · · · · · · · · · · · · · · · · ·		Pedestal type (optional)				



Distribution Boxes HRMD93 Series Explosion-proof Distribution Panels

Form of maximum power dissipation and temperature rise

T 00%	HRMD93 with full metal cover without glass window					
Ta=60℃	T4(T130°C)		T5(T95°C)		T6(T80°C)	
Туре	Power (W)	T Rise (K)	Power (W)	T Rise (K)	Power (W)	T Rise (K)
HRMD93-B/I	178	50	106	35	52	18
HRMD93-B/II	300	50	132	35	63	18
HRMD93-B/III	425	50	250	35	130	18
HRMD93-B/IV	700	50	410	35	215	18

Ta=60℃	HRMD93 with full metal cover with glass window					
	T4(T130℃)		T5(T95℃)		T6(T80℃)	
Туре	Power (W)	T Rise (K)	Power (W)	T Rise (K)	Power (W)	T Rise (K)
HRMD93-B/I	150	50	85	35	38	18
HRMD93-B/II	185	50	112	35	58	18
HRMD93-B/III	325	50	210	35	95	18
HRMD93-B/IV	700	50	410	35	180	18

T 10°0	HRMD93 with full metal cover without glass window					
Ta=40℃	T4(T130℃)		T5(T95℃)		T6(T80°C)	
Туре	Power (W)	T Rise (K)	Power (W)	T Rise (K)	Power (W)	T Rise (K)
HRMD93-B/I	255	70	178	55	116	38
HRMD93-B/II	375	70	215	55	150	38
HRMD93-B/III	575	70	425	55	276	38
HRMD93-B/IV	975	70	700	55	480	38



T 40°0	HRMD93 with full metal cover with glass window						
Ta=40℃	T4(T130℃)		T5(T95℃)		T6(T80°C)		
Туре	Power (W)	T Rise (K)	Power (W)	T Rise (K)	Power (W)	T Rise (K)	
HRMD93-B/I	255	70	150	55	96	38	
HRMD93-B/II	375	70	185	55	130	38	
HRMD93-B/III	575	70	325	55	215	38	
HRMD93-B/IV	975	70	660	55	460	38	

Power consumption at Ta=60℃							
Туре	Type of combination	T4/T130°C	T5/T95°C	T6/T80℃			
*HRMD93-A/V/045	type III and IV	III: 310W IV: 460W	III: 155W IV: 310W	III: 80W IV: 160W			
*HRMD93-A/V/046	type II and III and IV	II: 146W III: 280W IV: 383W	II: 115W III: 155W IV: 310W	II: 50W III: 80W IV: 160W			
*HRMD93-A/V/047	type I and II and III and IV	I: 108W II: 146W III: 280W IV: 383W	I: 55W II: 110W III: 150W IV: 305W	I: 30W II: 50W III: 80W IV: 160W			
*HRMD93-A/V/048	type I and III and IV	I: 103W III: 275W IV: 378W	I: 60W III: 155W IV: 310W	I: 30W III: 80W IV: 160W			

Distribution Boxes HRMD93 Series Explosion-proof Distribution Panels

Power consumption at Ta=40℃							
Туре	Type of combination	T4/T130℃	T5/T95℃	T6/T80℃			
*HRMD93-A/V/045	type III and IV	III: 370W IV: 787W	III: 310W IV: 460W	III: 155W IV: 310W			
*HRMD93-A/V/046	type II and III and IV	II: 245W III: 393W IV: 787W	II: 146W III: 280W IV: 383W	II: 115W III: 155W IV: 310W			
*HRMD93-A/V/047	RMD93-A/V/047 type I and II and III and IV		I: 108W II: 146W III: 280W IV: 383W	I: 55W II: 110W III: 150W IV: 305W			
*HRMD93-A/V/048	type I and III and IV	I: 150W III: 385W IV: 787W	I: 103W III: 275W IV: 378W	I: 60W III: 155W IV: 310W			
	Power consum	ption at Ta=60℃					
Туре	Type of combination	T4/T130℃	T5/T95℃	T6/T80°C			
*HRMD93-B/V/025	type I and II	I: 116W II: 153W	I: 60W II: 115W	I: 30W II: 50W			
*HRMD93-B/V/020	type II and IV	II: 146W IV: 460W	II: 115W IV: 310W	II: 50W IV: 160W			
*HRMD93-B/V/019	type III and IV	III: 310W	III: 155W	III: 80W			

Power consumption at Ta=40℃								
Туре	Type of combination	T4/T130℃	T5/T95°C	T6/T80℃				
*HRMD93-B/V/025	type I and II	I: 150W II: 225W	I: 116W II: 153W	I: 60W II: 115W				
*HRMD93-B/V/020	type II and IV	II: 245W IV: 787W	II: 146W IV: 460W	II: 115W IV: 310W				
*HRMD93-B/V/019	type III and IV	III: 385W IV: 787W	III: 310W IV: 460W	III: 155W IV: 310W				

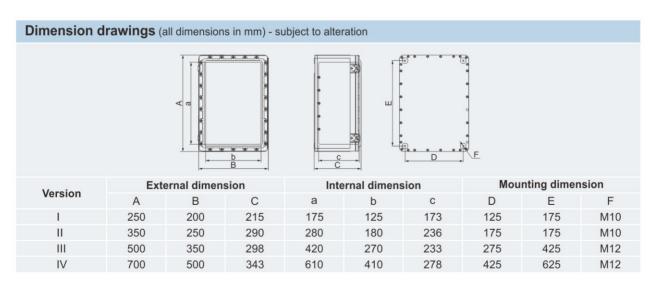
IV: 460W

IV: 310W

IV: 160W

Note: *reference represents a representative type, which can cover the type of HRMD93-B/V and HRMD93-A/V.

type III and IV



Note

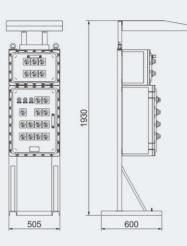
- 1. Please specify the number and size of cable entries and sides of the enclosure to be fitted.
- 2. Electrical schematic diagram shall be provided by user. Photo switch, AC contactor, thermal relay or others on request.
- 3. Please specify mounting type when ordering.
- 4. Rainproof canopy on request.

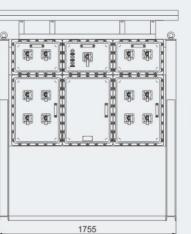
*HRMD93-B/V/019

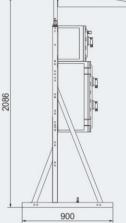


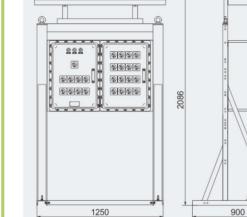


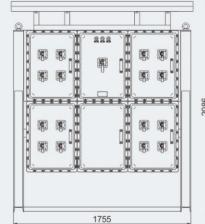


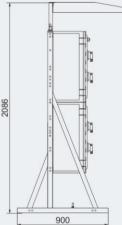




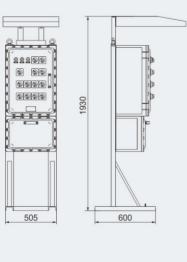


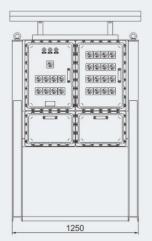


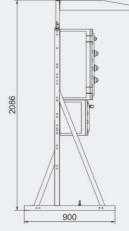




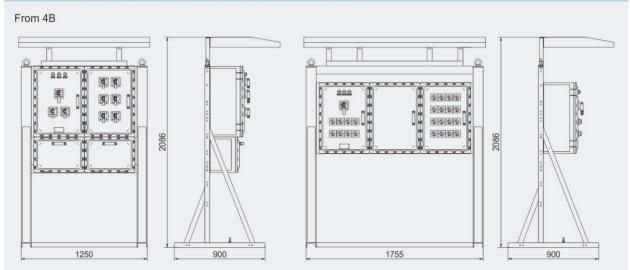








Dimension drawings (all dimensions in mm) - subject to alteration



Independent type

