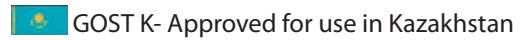


Technical Data

- Increased Safety Ⓢ II 2 GD Exe II ExtD.
- PL612 Certificate No's: Baseefa06ATEX0117X and IECEx BAS 06.0028X.
- ZPL612 Certificate No's: Baseefa06ATEX0116U and IECEx BAS 06.0027U.
- Suitable for use in Zone 1, Zone 2, Zone 21 and Zone 22.
- Construction and Test Standards: IEC/EN 60079-0, IEC/EN 60079-7, IEC/EN 61241-0 and IEC/EN 61241-1.
- Ingress Protection: IP66 and IP67 to IEC/EN 60529.
- Deluge Protection to DTS01.
- Operating Temperature Range: -60°C to +75°C.
- Temperature Class and Ambient: T6 40°C, optional T5 with ambients up to 65°C.
- Assembly Instruction Sheet: AI 273.
- Alternative certification options available:

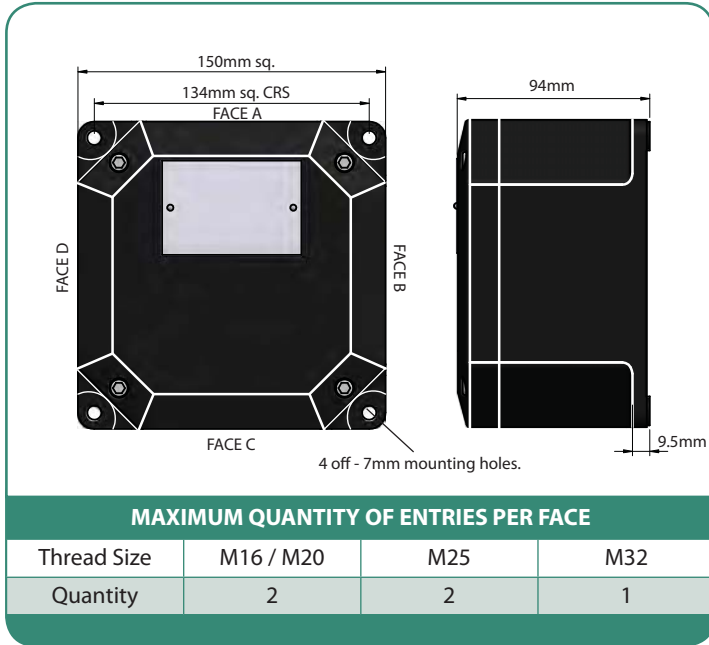


* Shroud not possible with Earth Continuity Plate option.
 # Not possible with an Earth Continuity Plate.
 Optional: Earth Continuity Plate

For full technical specification, see below

TERMINAL CAPACITY								
Terminal Type	Conductor Size (mm ²)		Max. Volts	Max. Physical Terminal Content		Reduced Terminal Content at Max. Terminal Amps		
	Min.	Max.		Terminal Qty.	Amps	Terminal Qty.	Amps	
WDU 2.5N	0.5	2.5	420	12	16	10	17	
WDU 2.5	0.5	2.5	550	10	17	10	17	
WDU 4	0.5	4	690	10	21	10	22	
WDU 6	0.5	6	550	7	29	7	29	
WDU 10	1.5	10	550	6	39	5	40	
BK 6	1	4	275	1	20	N/A	N/A	
MK 6/6	1	6	420	1	26	N/A	N/A	
HTB 6	0.5	Max. per Pillar	550	1	Conductor Size mm ²	Max. Amps per Pillar	N/A	N/A
		2 x 10mm ²			0.5	1		
		3 x 6mm ²			0.75	1		
		4 x 4mm ²			1	8		
		4 x 0.5mm ² Min.			1.5	10		
		See certificate for more options			2.5	15		
					4	21		
	6	26						
	10	37						

Note: For Junction Box Wattage Factor and Combined Terminal Resistance, see Pages 43 & 44
 An earth terminal equal to that of the largest power terminal will be fitted.
 The terminals listed are restricted to a minimum operating temperature of -50°C.



Optional: Earth Continuity Plate.

Technical Data

- Increased Safety Ex II 2 GD Exe II ExtD.
- PL615 Certificate No's: Baseefa06ATEX0117X and IECEx BAS 06.0028X.
- ZPL615 Certificate No's: Baseefa06ATEX0116U and IECEx BAS 06.0027U.
- Suitable for use in Zone 1, Zone 2, Zone 21 and Zone 22
- Construction and Test Standards: IEC/EN 60079-0, IEC/EN 60079-7, IEC/EN 61241-0 and IEC/EN 61241-1.
- Ingress Protection: IP66 and IP67 to IEC/EN 60529.
- Deluge Protection to DTS01.
- Operating Temperature Range: -60°C to +75°C.
- Temperature Class and Ambient: T6 40°C, optional T5 with ambients up to 65°C.
- Assembly Instruction Sheet: AI 273.
- Alternative certification options available:



Exe II



AExe II / Exe II



GOST R-Exe IIU

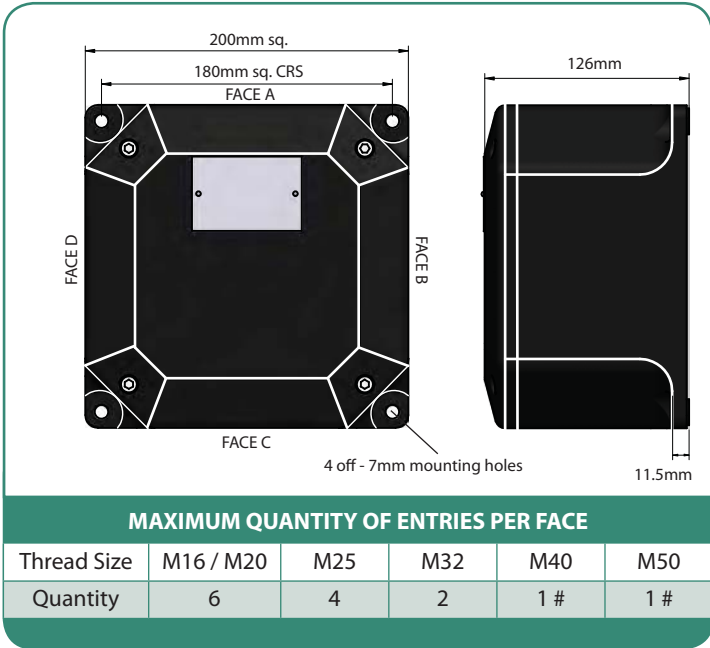


GOST K- Approved for use in Kazakhstan

For full technical specification, see below

TERMINAL CAPACITY								
Terminal Type	Conductor Size (mm ²)		Max. Volts	Max. Physical Terminal Content		Reduced Terminal Content at Max. Terminal Amps		
	Min.	Max.		Terminal Qty.	Amps	Terminal Qty.	Amps	
WDU 2.5	0.5	2.5	550	14	16	13	17	
WDU 4	0.5	4	690	12	21	11	22	
WDU 6	0.5	6	550	9	29	9	29	
WDU 10	1.5	10	550	7	40	7	40	
WDU 16	1.5	16	690	6	53	6	53	
HTB 6	0.5	Max. per Pillar	550	1	Conductor Size mm ²	Max. Amps per Pillar	N/A	N/A
		2 x 10mm ²			0.5	1		
		3 x 6mm ²			0.75	1		
		4 x 4mm ²			1	8		
		4 x 0.5mm ² Min.			1.5	10		
		See certificate for more options			2.5	15		
					4	21		
	6	26						
	10	37						

Notes: For Junction Box Wattage Factor and Combined Terminal Resistance, see Pages 43 & 44
 An earth terminal equal to that of the largest power terminal will be fitted.
 The terminals listed are restricted to a minimum operating temperature of -50°C.



Technical Data

- Increased Safety Ex II 2 GD Exe II ExtD.
- PL620 Certificate No's: Baseefa06ATEX0117X and IECEx BAS 06.0028X.
- ZPL620 Certificate No's: Baseefa06ATEX0116U and IECEx BAS 06.0027U.
- Suitable for use in Zone 1, Zone 2, Zone 21 and Zone 22.
- Construction and Test Standards: IEC/EN 60079-0, IEC/EN 60079-7, IEC/EN 61241-0 and IEC/EN 61241-1.
- Ingress Protection: IP66 and IP67 to IEC/EN 60529.
- Deluge Protection to DTS01.
- Operating Temperature Range: -60°C to +75°C.
- Temperature Class and Ambient: T6 40°C, optional T5 with ambients up to 65°C.
- Assembly Instruction Sheet: AI 273.
- Alternative certification options available:



Exe II



AExe II / Exe II



GOST R-Exe IIU

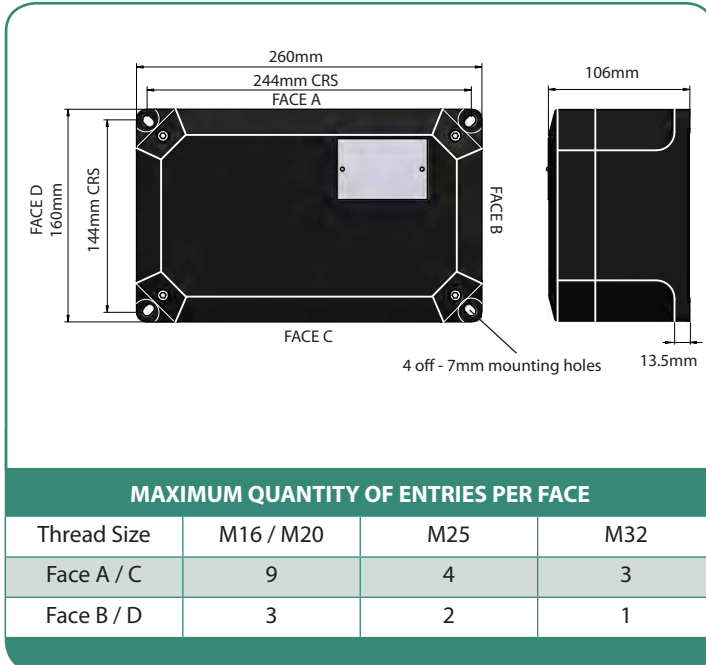


GOST K- Approved for use in Kazakhstan

For full technical specification, see below

TERMINAL CAPACITY							
Terminal Type	Conductor Size (mm ²)		Max. Volts	Max. Physical Terminal Content		Reduced Terminal Content at Max. Terminal Amps	
	Min.	Max.		Terminal Qty.	Amps	Terminal Qty.	Amps
WDU 2.5	0.5	2.5	550	24	15	18	17
WDU 4	0.5	4	690	20	20	16	22
WDU 6	0.5	6	550	15	27	12	29
WDU 10	1.5	10	550	12	38	10	40
WDU 16	1.5	16	690	9	53	9	53
WDU 35	2.5	35	690	6	87	6	87
WDU 50N	6	50	690	5	88	5	88
WDU 70	10	70	690	4	134	4	134

Notes: For Junction Box Wattage Factor and Combined Terminal Resistance, see Pages 43 & 44
An earth terminal equal to that of the largest power terminal will be fitted.
The terminals listed are restricted to a minimum operating temperature of -50°C.



Technical Data

- Increased Safety Ex II 2 GD Exe II ExtD.
- PL626 Certificate No's: Baseefa06ATEX0117X and IECEx BAS 06.0028X.
- ZPL626 Certificate No's: Baseefa06ATEX0116U and IECEx BAS 06.0027U.
- Suitable for use in Zone 1, Zone 2, Zone 21 and Zone 22.
- Construction and Test Standards: IEC/EN 60079-0, IEC/EN 60079-7, IEC/EN 61241-0 and IEC/EN 61241-1.
- Ingress Protection: IP66 and IP67 to IEC/EN 60529.
- Deluge Protection to DTS01.
- Operating Temperature Range: -60°C to +75°C.
- Temperature Class and Ambient: T6 40°C, optional T5 with ambients up to 65°C.
- Assembly Instruction Sheet: AI 273.
- Alternative certification options available:



UL AExe II / Exe II



GOST R-Exe IIU



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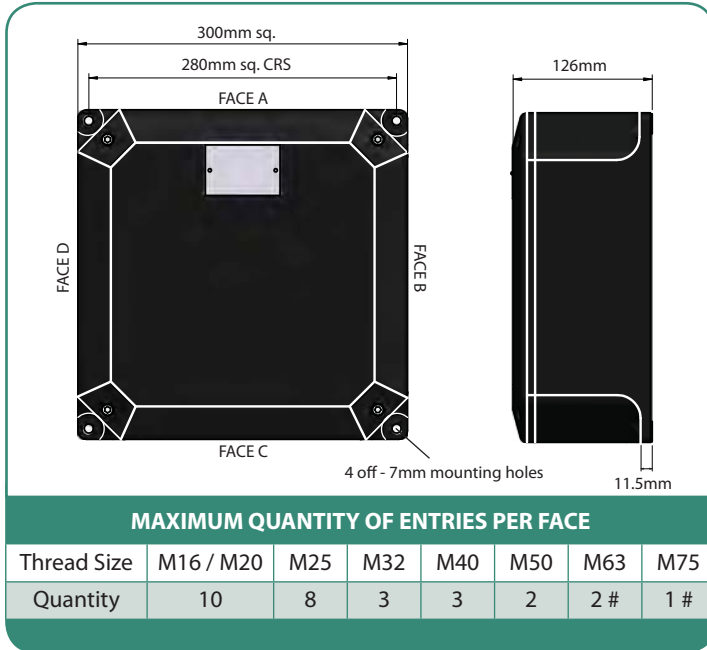
For full technical specification, see below

Optional: Earth Continuity Plate.

TERMINAL CAPACITY

Terminal Type	Conductor Size (mm ²)		Max. Volts	Max. Physical Terminal Content		Reduced Terminal Content at Max. Terminal Amps	
	Min.	Max.		Terminal Qty.	Amps	Terminal Qty.	Amps
WDU 2.5	0.5	2.5	550	38	11	15	17
WDU 4	0.5	4	690	32	15	14	22
WDU 6	0.5	6	550	24	20	11	29
WDU 10	1.5	10	550	19	28	9	40
WDU 16	1.5	16	690	16	39	8	53
WDU 35	2.5	35	690	12	62	6	87

Notes: For Junction Box Wattage Factor and Combined Terminal Resistance, see Pages 43 & 44
 An earth terminal equal to that of the largest power terminal will be fitted.
 The terminals listed are restricted to a minimum operating temperature of -50°C.



Not possible with an Earth Continuity Plate.
Optional: Earth Continuity Plate.

Technical Data

- Increased Safety Ex II 2 GD Exe II ExtD.
- PL630 Certificate No's: Baseefa06ATEX0117X and IECEx BAS 06.0028X.
- ZPL630 Certificate No's: Baseefa06ATEX0116U and IECEx BAS 06.0027U.
- Suitable for use in Zone 1, Zone 2, Zone 21 and Zone 22.
- Construction and Test Standards: IEC/EN 60079-0, IEC/EN 60079-7, IEC/EN 61241-0 and IEC/EN 61241-1.
- Ingress Protection: IP66 and IP67 to IEC/EN 60529.
- Deluge Protection to DTS01.
- Operating Temperature Range: -60°C to +75°C.
- Temperature Class and Ambient: T6 40°C, optional T5 with ambients up to 65°C.
- Assembly Instruction Sheet: AI 273.
- Alternative certification options available:



Exe II



AExe II / Exe II



GOST R-Exe IIU



GOST K- Approved for use in Kazakhstan

For full technical specification, see below


TERMINAL CAPACITY							
Terminal Type	Conductor Size (mm ²)		Max. Volts	Max. Physical Terminal Content		Reduced Terminal Content at Max. Terminal Amps	
	Min.	Max.		Terminal Qty.	Amps	Terminal Qty.	Amps
WDU 2.5	0.5	2.5	550	76	9	23	17
WDU 4	0.5	4	690	64	12	21	22
WDU 6	0.5	6	550	48	17	17	29
WDU 10	1.5	10	550	36	25	14	40
WDU 16	1.5	16	690	30	34	12	53
WDU 35	2.5	35	690	22	55	9	87
WDU 50N	6	50	690	11	88	11	88
WDU 70N	10	70	690	11	108	7	134

Notes: For Junction Box Wattage Factor and Combined Terminal Resistance, see Pages 43 & 44
An earth terminal equal to that of the largest power terminal will be fitted.
The terminals listed are restricted to a minimum operating temperature of -50°C.



- To ensure that the maximum temperature as permitted by certification is not exceeded, the Dissipated Wattage Factor Formula is used: $W = N \times F \times I^2$ (contact us for enclosure wattage).
- It is not permitted to fit more than one conductor per side in rail or direct mounted terminals unless using an insulated Bootlace Ferrule.
- Linked and mixed terminal arrangements other than those specified in the data tables are available, but the voltage and current figures may be affected to ensure the maximum certified wattage factor is not exceeded. Please contact Hawke Technical Sales for more information.
- When connecting a terminal with a conductor that is less than maximum size permitted for that terminal type, the maximum amps per pole must be reduced to suit i.e. an WDU10 (10mm²) terminal fitted with a 4mm² conductor will have the current rating reduced to that of the current rating permitted through the WDU4 (4mm²) terminal.
- For Intrinsically Safe Applications, Exe power terminals can be supplied in blue on request. (Note: the enclosure will remain Exe certified).
- An earth terminal must be fitted inside the enclosure. (Note: Power terminals may be used as 'clean earths').
- The enclosure has tapped metric entry threads as standard. Tapered threads are not permitted in plastic enclosures due to risk of stress cracking.
- The customer may drill and tap entry holes in the enclosure providing they are in accordance with the relevant code of practice and comply with the certification, Contact Hawke Technical Sales for more information.
- When mixed entries are required on a face, contact Hawke Technical Sales for more information.
- Entries into the enclosure must be via a suitable, approved entry device.
- All unused entry holes must be fitted with a stopping plug as listed on the enclosure certificate.

Specification For PL6 Series Junction Boxes

Certification :	PL6 -  II 2 GD Exe II ExtD.
Zones of Use :	Zone 1, Zone 2, Zone 21 & Zone 22.
Temperature Class & Ambients :	T6 40°C as standard. Optional T5 with ambients up to 65°C.
Operating Temperature Range :	-60°C to +75°C.
PL6 - Degree of Protection :	IP66, IP67 and Deluge proof to
Material :	DTS01. Glass Reinforced Polyester.
Finish :	Flame Retardant to (IEC92.1 clause 2.38). Natural Black.
Impact Resistance :	PL6 - Up to 20Nm.
Weatherproofing :	By captive moulded clear silicone gasket.
Certification Label :	Stainless Steel or optional certified self adhesive foil.
Lid Fixing Screws :	Stainless Steel (complete with nylon retaining washer).
Additional Options :	Breather/Drain devices. Internal/external earth stud. Epoxy paint finish for colour coding. EMI/RFI coating for EMC requirements.
Additional Labels :	Stainless Steel or laminated plastic (traffolyte) for external use only or optional (certified) self adhesive foil for external and/or internal use.

Earth Continuity

These enclosures may be fitted with an Earth Continuity Plate in plated mild steel as standard or optional brass when requested by the customer.

Note: A locknut is required on cable glands and metal stopping plugs to ensure earth continuity through the plate.