

# JUNCTION BOX MARK SERIES

Increased Safety MARK VI



Zone 1,2,21,22



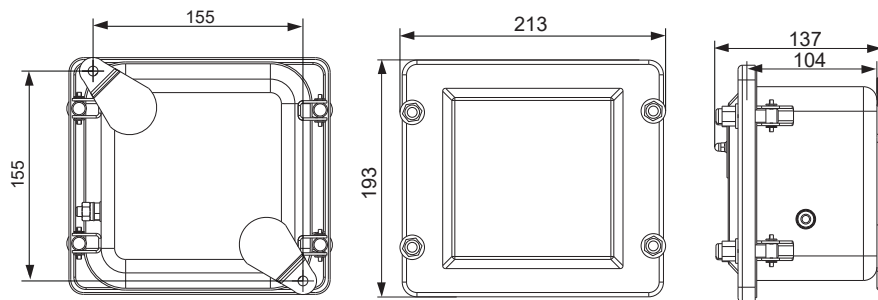
## SPECIFICATION

TYPE	MARK VI
Application	As terminal or marshaling enclosure
Protection	Ex e II T6/T5 Gb- Ex ia IIC T6/T5 Gb - Ex t IIIC T80°C/T 95°C Db
Marking(ATEX)	⊕ II 2 GD
Certificate No.	TÜV 11 ATEX 7155X - IECEX TUR 11.0021X
Standards	IEC60079-0 ,IEC60079-7 , IEC60079-11 , IEC60079-31
Material	A) Stainless steel B) Mild steel
Finish	A) Stainless steel may be coated or painted to suit customer application. B) Mild steel to be coated or painted by the manufacturer or the customer.
Ingress Protection	IP 66,67,68 to IEC 60529
Temperature Class	T6 and T5
Ambient temperature	-40°C to +65°C
Lid Fixing	4 x M8 stainless steel screws.
Earthing	M8 Internal / External stainless steel Earth Stud.
Enclosure Mounting	2 Hole Fixing Brackets for M6 screws.
DRAIN PLUG	As an option

## SIDE CABLE ENTRY SELECTION

THREAD SIZE	M20(O)	M20(A)	M25(B)	M32(C)	M40(C2)	M50(D)	M63(E)	M75(F)
ACROSS FLATS	25	30	36	46	55	65	80	95
ACROSS CORNERS	27.7	34.6	41.6	53.1	63.5	75.1	92.4	109.7
MAX.NO. OF ENTRIES	L	5	5	3	2	1	-	-
	R	5	5	3	2	1	-	-
	T	6	6	4	2	1	1	-
	B	6	6	4	2	1	1	-

Dimensions (mm)		
	INTERNAL	EXTERNAL
LENGTH	155±5	213±5
WIDTH	155±5	193±5
HEIGHT	104±5	137±5
FIXING BRACKETS	-	248.8 DIAGONAL



All information may be revised or changed by SHOMAL at anytime without prior notice or explanation.



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## MARK VI TERMINALS DATA(CONTINUED)

TERMINAL TYPE	CONDUCTOR SIZE mm <sup>2</sup>		MAX NO OF TERMINALS		MAX NO OF RAILS	
	MIN	MAX	PER RAIL	TOTAL		
WDU 1.5/ZZ*	0.13	2.5	26	26	1	DIAGONAL
WDU 2.5 / 1.5 / ZR	0.13	4	26	26	1	DIAGONAL
WDU 2.5	0.13	4	26	26	1	DIAGONAL
WDU 2.5N	0.13	4	26	26	1	DIAGONAL
WDU 4	0.13	6	22	22	1	DIAGONAL
WDU 6	0.5	10	17	17	1	DIAGONAL
WDU 10	1.31	16	13	13	1	DIAGONAL
WDU 16	1.5	25	11	11	1	DIAGONAL
WDK 2.5 *	0.13	4	26	26	1	DIAGONAL
SAK 2.5*	0.5	4	22	22	1	DIAGONAL
SAK 4	0.5	6	20	20	1	DIAGONAL
SAK 6N	0.5	10	16	16	1	DIAGONAL
SAK 10	1.5	16	13	13	1	DIAGONAL
SAK 16	2.5	16	11	11	1	DIAGONAL
ZDU 2.5*	0.08	4	26	26	1	DIAGONAL
ZDU 2.5/3AN	0.08	4	26	26	1	DIAGONAL
ZDU2.5/4AN	0.08	4	26	26	1	DIAGONAL
ZDU2.5/2X2AN	0.08	4	26	26	1	DIAGONAL
ZDU 4	0.21	6	22	22	1	DIAGONAL
ZDU 6	0.21	6	16	16	1	DIAGONAL
ZDK2.5/1.5*	0.08	2.5	26	26	1	DIAGONAL
UK 1.5N**	0.14	0.7	32	32	1	DIAGONAL
UK 2.5 N	0.2	2.5	25	25	1	DIAGONAL
UK 3N	0.2	2.5	25	25	1	DIAGONAL
UK 5N	0.2	4	21	21	1	DIAGONAL
UK 6N	0.2	6	16	16	1	DIAGONAL
UK 10N	0.5	10	13	13	1	DIAGONAL

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## MARK VI TERMINALS DATA

TERMINAL TYPE	CONDUCTOR SIZE mm <sup>2</sup>		MAX NO OF TERMINALS		MAX NO OF RAILS	
	MIN	MAX	PER RAIL	TOTAL		
UK 16N	0.75	16	11	11	1	DIAGONAL
RTP 2.5***	0.5	4	22	22	1	DIAGONAL
RTP 4	0.5	4	21	21	1	DIAGONAL
RTP 6	0.5	10	16	16	1	DIAGONAL
RTP 10	0.5	16	13	13	1	DIAGONAL
RTP 16	0.5	16	10	10	1	DIAGONAL

\* SAK & WDU & WDK & ZDU & ZDK & WFF ARE WEIDMULLER / KLIPPON RANGE OF TERMINALS.

\*\* UK & UKH ARE PHOENIX CONTACT RANGE OF TERMINALS.

\*\*\* RTP IS RAAD RANGE OF TERMINALS.

ALL TERMINALS INCREASED SAFETY AND ALL CODED Exe II.

### NOTES

- 1- THE NUMBER AND COMBINATION OF DIFFERENT SIZES OF TERMINALS WHICH CAN BE FITTED TO THE ENCLOSURE IS LIMITED BY THE MAXIMUM POWER DISSIPATION OF ENCLOSURE FOR ASSISTANCE CALL THE " S.E.M.C. " REPRESENTATIVE.
- 2- ROWS OF TERMINALS ARE FITTED BETWEEN END STOPS ON TERMINALS RAILS.
- 3- PARTITIONS ARE FITTED BETWEEN TERMINALS OF DIFFERENT TYPES OR SIZES, AND BETWEEN LINKED AND UNLINKED TERMINALS.
- 4- THE TABLE SHOWN IS GIVEN AS A GUIDE ONLY, ALLOWANCE HAVE BEEN MADE FOR THE FITTING OF ONE END SECTION AND TWO END BRACKETS ON EACH RAIL.
- 5- THE NUMBER OF TERMINALS MUST BE REDUCED IF PARTITIONS OR EXTRA END SECTION SPACE ARE REQUIRED.

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