



JUNCTION BOX

MARK SERIES

Increased Safety

MARK I



Zone 1,2,21,22

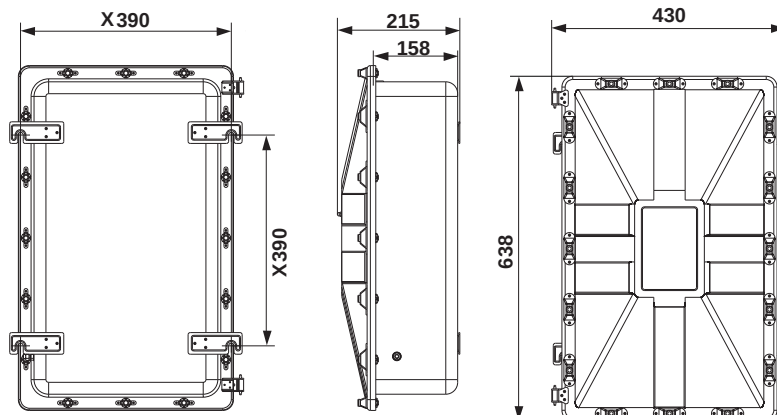
SPECIFICATION

TYPE	MARK I
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	16 x M8 stainless steel screws.
Earthing	M10 or M8 Internal / External stainless steel Earth Stud.
Enclosure Mounting	4 slotted Fixing Brackets for M10 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	109.6
MAX.NO. OF ENTRIES	L	58	35	29	16	9	6	5
	R	58	35	29	16	9	6	5
	T	30	18	14	8	5	3	2
	B	30	18	14	8	5	3	2

Dimensions (mm)		
	INTERNAL	EXTERNAL
LENGTH	574±5	638±5
WIDTH	336±5	430±5
HEIGHT	158±5	215±5
FIXING BRACKETS	-	390x390±1



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MARK I TERMINALS DATA (CONTINUED)

TERMINAL TYPE	CONDUCTOR SIZE mm ²		MAX NO OF TERMINALS		MAX NO OF RAILS	
	MIN	MAX	PER RAIL	TOTAL		
WDU 1.5/ZZ*	0.13	2.5	83 50	166 200	2 4	VERTICAL HORIZONTAL
WDU 2.5 / 1.5 / ZR	0.13	4	83 50	166 200	2 4	VERTICAL HORIZONTAL
WDU 2.5	0.13	4	83 50	166 200	2 4	VERTICAL HORIZONTAL
WDU 2.5N	0.13	4	83 50	166 200	2 4	VERTICAL HORIZONTAL
WDU 4	0.13	6	69 41	138 164	2 4	VERTICAL HORIZONTAL
WDU 6	0.5	10	53 32	106 128	2 4	VERTICAL HORIZONTAL
WDU 10	1.31	16	42 25	84 100	2 4	VERTICAL HORIZONTAL
WDU 16	1.5	25	35 21	70 84	2 4	VERTICAL HORIZONTAL
WDU 35	2.5	50	26 15	52 60	2 4	VERTICAL HORIZONTAL
WDU 50N	5.26	70	22 13	22 26	1 2	VERTICAL HORIZONTAL
WDU 70/95	16	120	16 9	16 18	1 2	VERTICAL HORIZONTAL
WDU 120/150	35	150	13 7	13 7	1 1	VERTICAL HORIZONTAL
WDU 240	70	240	11 7	11 7	1 1	VERTICAL HORIZONTAL
WDK 2.5 *	0.13	4	83 50	166 200	2 4	VERTICAL HORIZONTAL
WFF35*	2.5	50	15 9	30 36	2 4	VERTICAL HORIZONTAL
WFF70	2.5	95	13 7	13 14	1 2	VERTICAL HORIZONTAL
WFF120	6	150	10 6	10 6	1 1	VERTICAL HORIZONTAL
WFF185	10	240	7 4	7 4	1 1	VERTICAL HORIZONTAL
WFF300	25	300	7 4	7 4	1 1	VERTICAL HORIZONTAL
SAK 2.5*	0.5	4	70 42	140 168	2 4	VERTICAL HORIZONTAL
SAK 4	0.5	6	65 39	130 156	2 4	VERTICAL HORIZONTAL
SAK 6N	0.5	10	53 31	106 124	2 4	VERTICAL HORIZONTAL
SAK 10	1.5	16	42 25	84 100	2 4	VERTICAL HORIZONTAL
SAK 16	2.5	16	35 21	70 84	2 4	VERTICAL HORIZONTAL
SAK 35	6	50	23 14	46 56	2 4	VERTICAL HORIZONTAL
ZDU 2.5*	0.08	4	83 50	166 200	2 4	VERTICAL HORIZONTAL
ZDU 2.5/3AN	0.08	4	83 50	166 200	2 4	VERTICAL HORIZONTAL
ZDU2.5/4AN	0.08	4	83 50	166 200	2 4	VERTICAL HORIZONTAL
ZDU2.5/2X2AN	0.08	4	83 50	166 200	2 4	VERTICAL HORIZONTAL
ZDU 4	0.21	6	70 42	140 168	2 4	VERTICAL HORIZONTAL
ZDU 6	0.21	6	53 31	106 124	2 4	VERTICAL HORIZONTAL

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TERMINAL TYPE	CONDUCTOR SIZE mm ²		MAX NO OF TERMINALS		MAX NO OF RAILS	
	MIN	MAX	PER RAIL	TOTAL		
ZDK2.5/1.5*	0.08	2.5	83 50	166 200	2 4	VERTICAL HORIZONTAL
UK 1.5N**	0.14	0.7	101 60	202 240	2 4	VERTICAL HORIZONTAL
UK 2.5 N	0.2	2.5	81 49	162 196	2 4	VERTICAL HORIZONTAL
UK 3N	0.2	2.5	81 49	162 196	2 4	VERTICAL HORIZONTAL
UK 5N	0.2	4	68 41	136 164	2 4	VERTICAL HORIZONTAL
UK 6N	0.2	6	51 31	102 124	2 4	VERTICAL HORIZONTAL
UK 10N	0.5	10	41 25	82 100	2 4	VERTICAL HORIZONTAL
UK 16N	0.75	16	34 20	68 80	2 4	VERTICAL HORIZONTAL
UK 35	0.75	35	27 16	54 64	2 4	VERTICAL HORIZONTAL
UKH 50	10	50	21 12	21 24	1 2	VERTICAL HORIZONTAL
UKH 95	16	95	17 10	17 20	1 2	VERTICAL HORIZONTAL
UKH 150	25	150	13 8	13 8	1 1	VERTICAL HORIZONTAL
RTP 2.5***	0.5	4	70 42	140 168	2 4	VERTICAL HORIZONTAL
RTP 4	0.5	4	66 39	132 156	2 4	VERTICAL HORIZONTAL
RTP 6	0.5	10	53 31	106 124	2 4	VERTICAL HORIZONTAL
RTP 10	0.5	16	42 25	84 100	2 4	VERTICAL HORIZONTAL
RTP 16	0.5	16	34 20	68 80	2 4	VERTICAL HORIZONTAL
RTP 25	0.5	25	31 18	62 72	2 4	VERTICAL HORIZONTAL
RTP 35	1.5	35	65 39	130 156	2 4	VERTICAL HORIZONTAL
RTP 50	10	50	21 12	21 24	1 2	VERTICAL HORIZONTAL
RTP 95	6	95	9 18	18 18	2 1	VERTICAL HORIZONTAL

* 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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