



JUNCTION BOX

MARK SERIES

MARK V Increased Safety



Zone 1,2,21,22

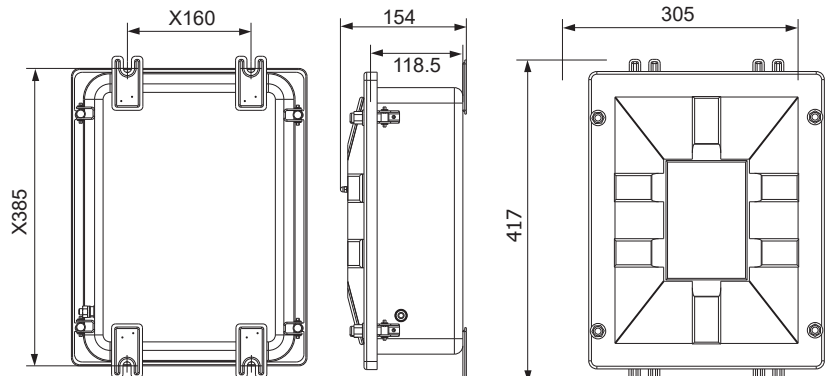
SPECIFICATION

TYPE	MARK V
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	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	25	15	11	7	4	3	2	-
	R	25	15	11	7	4	3	2	-
	T	17	11	8	4	3	2	2	-
	B	17	11	8	4	3	2	2	-

Dimensions (mm)		
	INTERNAL	EXTERNAL
LENGTH	342±5	417±5
WIDTH	242±5	305±5
HEIGHT	118.5±5	154±5
FIXING BRACKETS	-	385x160±1



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MARK V 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	50	50	1	VERTICAL
			34	68	2	HORIZONTAL
WDU 2.5 / 1.5 / ZR	0.13	4	50	50	1	VERTICAL
			34	68	2	HORIZONTAL
WDU 2.5	0.13	4	50	50	1	VERTICAL
			34	68	2	HORIZONTAL
WDU 2.5N	0.13	4	50	50	1	VERTICAL
			34	68	2	HORIZONTAL
WDU 4	0.13	6	41	41	1	VERTICAL
			28	56	2	HORIZONTAL
WDU 6	0.5	10	32	32	1	VERTICAL
			22	44	2	HORIZONTAL
WDU 10	1.31	16	25	25	1	VERTICAL
			17	34	2	HORIZONTAL
WDU 16	1.5	25	21	21	1	VERTICAL
			14	28	2	HORIZONTAL
WDU 35	2.5	50	15	15	1	VERTICAL
			10	10	1	HORIZONTAL
WDU 50N	5.26	70	19	13	1	VERTICAL
			9	9	1	HORIZONTAL
WDU 70/95	16	120	9	9	1	VERTICAL
			6	6	1	HORIZONTAL
WDK 2.5 *	0.13	4	50	50	1	VERTICAL
			34	68	2	HORIZONTAL
WFF35*	2.5	50	9	9	1	VERTICAL
			6	6	1	HORIZONTAL
WFF70	2.5	95	7	7	1	VERTICAL
			5	5	1	HORIZONTAL
SAK 2.5*	0.5	4	42	42	1	VERTICAL
			29	58	2	HORIZONTAL
SAK 4	0.5	6	39	39	1	VERTICAL
			26	52	2	HORIZONTAL
SAK 6N	0.5	10	31	31	1	VERTICAL
			21	42	2	HORIZONTAL
SAK 10	1.5	16	25	25	1	VERTICAL
			17	34	2	HORIZONTAL
SAK 16	2.5	16	21	21	1	VERTICAL
			14	28	2	HORIZONTAL
SAK 35	6	50	14	14	1	VERTICAL
			9	9	1	HORIZONTAL
ZDU 2.5*	0.08	4	50	50	1	VERTICAL
			34	68	2	HORIZONTAL
ZDU 2.5/3AN	0.08	4	50	50	1	VERTICAL
			34	68	2	HORIZONTAL
ZDU2.5/4AN	0.08	4	50	50	1	VERTICAL
			34	68	2	HORIZONTAL
ZDU2.5/2X2AN	0.08	4	50	50	1	VERTICAL
			34	68	2	HORIZONTAL
ZDU 4	0.21	6	42	42	1	VERTICAL
			29	58	2	HORIZONTAL
ZDU 6	0.21	6	31	31	1	VERTICAL
			21	42	2	HORIZONTAL
ZDK2.5/1.5*	0.08	2.5	50	50	1	VERTICAL
			34	68	2	HORIZONTAL
UK 1.5N**	0.14	0.7	60	60	1	VERTICAL
			41	82	2	HORIZONTAL
UK 2.5 N	0.2	2.5	49	49	1	VERTICAL
			33	66	2	HORIZONTAL
UK 3N	0.2	2.5	49	49	1	VERTICAL
			33	66	2	HORIZONTAL
UK 5N	0.2	4	41	41	1	VERTICAL
			28	56	2	HORIZONTAL

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			34	68	2	HORIZONTAL
WDU 2.5N	0.13	4	50	50	1	VERTICAL
			34	68	2	HORIZONTAL
WDU 4	0.13	6	41	41	1	VERTICAL
			28	56	2	HORIZONTAL
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			22	44	2	HORIZONTAL
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			17	34	2	HORIZONTAL
WDU 16	1.5	25	21	21	1	VERTICAL
			14	28	2	HORIZONTAL
WDU 35	2.5	50	15	15	1	VERTICAL
			10	10	1	HORIZONTAL
WDU 50N	5.26	70	19	13	1	VERTICAL
			9	9	1	HORIZONTAL
WDU 70/95	16	120	9	9	1	VERTICAL
			6	6	1	HORIZONTAL
WDK 2.5 *	0.13	4	50	50	1	VERTICAL
			34	68	2	HORIZONTAL
WFF35*	2.5	50	9	9	1	VERTICAL
			6	6	1	HORIZONTAL
WFF70	2.5	95	7	7	1	VERTICAL
			5	5	1	HORIZONTAL
SAK 2.5*	0.5	4	42	42	1	VERTICAL
			29	58	2	HORIZONTAL
SAK 4	0.5	6	39	39	1	VERTICAL
			26	52	2	HORIZONTAL
SAK 6N	0.5	10	31	31	1	VERTICAL
			21	42	2	HORIZONTAL
SAK 10	1.5	16	25	25	1	VERTICAL
			17	34	2	HORIZONTAL
SAK 16	2.5	16	21	21	1	VERTICAL
			14	28	2	HORIZONTAL
SAK 35	6	50	14	14	1	VERTICAL
			9	9	1	HORIZONTAL
ZDU 2.5*	0.08	4	50	50	1	VERTICAL
			34	68	2	HORIZONTAL
ZDU 2.5/3AN	0.08	4	50	50	1	VERTICAL
			34	68	2	HORIZONTAL
ZDU2.5/4AN	0.08	4	50	50	1	VERTICAL
			34	68	2	HORIZONTAL
ZDU2.5/2X2AN	0.08	4	50	50	1	VERTICAL
			34	68	2	HORIZONTAL
ZDU 4	0.21	6	42	42	1	VERTICAL
			29	58	2	HORIZONTAL
ZDU 6	0.21	6	31	31	1	VERTICAL
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ZDK2.5/1.5*	0.08	2.5	50	50	1	VERTICAL
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UK 1.5N**	0.14	0.7	60	60	1	VERTICAL
			41	82	2	HORIZONTAL
UK 2.5 N	0.2	2.5	49	49	1	VERTICAL
			33	66	2	HORIZONTAL
UK 3N	0.2	2.5	49	49	1	VERTICAL
			33	66	2	HORIZONTAL
UK 5N	0.2	4	41	41	1	VERTICAL
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UK 6N	0.2	6	31	31	1	VERTICAL HORIZONTAL
			21	42	2	
UK 10N	0.5	10	25	25	1	VERTICAL HORIZONTAL
			17	34	2	
UK 16N	0.75	16	20	20	1	VERTICAL HORIZONTAL
			14	28	2	
UK 35	0.75	35	16	16	1	VERTICAL HORIZONTAL
			11	11	1	
UKH 50	16	95	12	12	1	VERTICAL HORIZONTAL
			8	8	1	
RTP 2.5***	0.5	4	42	42	1	VERTICAL HORIZONTAL
			29	58	2	
RTP 4	0.5	4	39	39	1	VERTICAL HORIZONTAL
			27	54	2	
RTP 6	0.5	10	31	31	1	VERTICAL HORIZONTAL
			21	42	2	
RTP 10	0.5	16	25	25	1	VERTICAL HORIZONTAL
			17	34	2	
RTP 16	0.5	16	20	20	1	VERTICAL HORIZONTAL
			14	28	2	
RTP 25	0.5	25	18	18	1	VERTICAL HORIZONTAL
			12	12	1	
RTP 35	1.5	35	15	15	1	VERTICAL HORIZONTAL
			12	12	1	
RTP 50	10	50	12	12	1	VERTICAL HORIZONTAL
			8	8	1	

* 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.