

JUNCTION BOX MARK SERIES

Increased Safety MARK II



Zone 1,2,21,22



SPECIFICATION

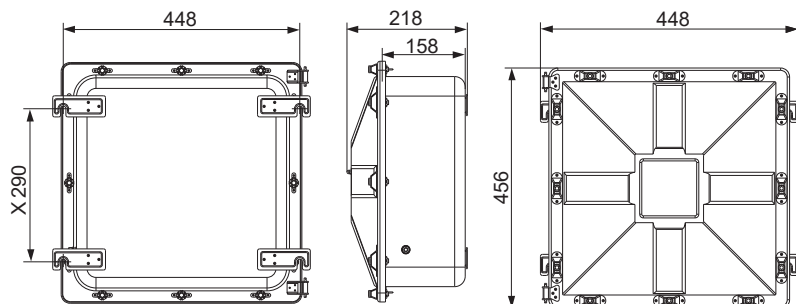
TYPE	MARK II
Application	As terminal or marshaling enclosure
Protection	Ex e II T6/T5 Gb- Ex ia IIC T6/T5 Gb - Ex t IIIC T80°C/T 95°C Db
Marking(ATEX)	⊕ II 2 GD
Certificate No.	TÜV 11 ATEX 7155X - IECEx TUR 11.0021X
Standards	IEC60079-0 ,IEC60079-7 , IEC60079-11 , IEC60079-31
Material	A) Stainless steel 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	12 x M8 stainless steel screws.
Earthing	M10 or M8 Internal / External stainless steel Earth Stud.
Enclosure Mounting	4 slotted Fixing Brackets for M10 screws.

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	34	24	17	10	7	4	3	2
	R	34	24	17	10	7	4	3	2
	T	34	24	17	10	7	4	3	2
	B	34	24	17	10	7	4	3	2

Dimensions (mm)

	INTERNAL	EXTERNAL
LENGTH	394±5	488±5
WIDTH	394±5	456±5
HEIGHT	158±5	218±5
FIXING BRACKETS	-	488 x 290±1



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MARK II 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	100	2	V
			50	100	2	H
WDU 2.5 / 1.5 / ZR	0.13	4	50	100	2	V
			50	100	2	H
WDU 2.5	0.13	4	50	100	2	V
			50	100	2	H
WDU 2.5N	0.13	4	50	100	2	V
			50	100	2	H
WDU 4	0.13	6	41	82	2	V
			41	82	2	H
WDU 6	0.5	10	32	64	2	V
			32	64	2	H
WDU 10	1.31	16	25	50	2	V
			25	50	2	H
WDU 16	1.5	25	21	42	2	V
			21	42	2	H
WDU 35	2.5	50	15	30	2	V
			15	30	2	H
WDU 50N	5.26	70	13	13	1	V
			13	13	1	H
WDU 70/95	16	120	9	9	1	V
			9	9	1	H
WDU 120/150	35	150	7	7	1	V
			7	7	1	H
WDU 240	70	240	7	7	1	V
			7	7	1	H
WDK2.5*	0.13	4	50	100	2	V
			50	100	2	H
WFF35*	2.5	50	9	18	2	V
			9	18	2	H
WFF70	2.5	95	7	7	1	V
			7	7	1	H
WFF120	6	150	6	6	1	V
			6	6	1	H
WFF185	10	240	4	4	1	V
			4	4	1	H
WFF300	25	300	4	4	1	V
			4	4	1	H
SAK2.5*	0.5	4	42	84	2	V
			42	84	2	H
SAK4	0.5	6	39	78	2	V
			39	78	2	H
SAK6N	0.5	10	31	62	2	V
			31	62	2	H
SAK10	1.5	16	25	50	2	V
			25	50	2	H
SAK16	2.5	16	21	42	2	V
			21	42	2	H
SAK35	6	50	14	28	2	V
			14	28	2	H
ZDU2.5*	0.08	4	50	100	2	V
			50	100	2	H
ZDU2.5/3AN	0.08	4	50	100	2	V
			50	100	2	H
ZDU2.5/4AN	0.08	4	50	100	2	V
			50	100	2	H
ZDU2.5/2x2AN	0.08	4	50	100	2	V
			50	100	2	H
ZDU 4	0.21	6	42	84	2	V
			42	84	2	H
ZDU 6	0.21	6	31	62	2	V
			31	62	2	H

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TERMINAL TYPE	CONDUCTOR SIZE mm ²		MAX NO OF TERMINALS		MAX NO OF RAILS	
	MIN	MAX	PER RAIL	TOTAL		
ZDK 2.5/1.5*	0.08	2.5	50	100	2	V
			50	100	2	H
UK 1.5N**	0.14	0.7	60	120	2	V
			60	120	2	H
UK 2.5N	0.2	2.5	49	98	2	V
			49	98	2	H
UK 3N	0.2	2.5	49	98	2	V
			49	98	2	H
UK 5N	0.2	4	41	82	2	V
			41	82	2	H
UK 6N	0.2	6	31	62	2	V
			31	62	2	H
UK10N	0.5	10	25	50	2	V
			25	50	2	H
UK16N	0.75	16	20	40	2	V
			20	40	2	H
UK35	0.75	35	16	32	2	V
			16	32	2	H
UKH50	10	50	12	12	1	V
			12	12	1	H
UKH 95	16	95	10	10	1	V
			10	10	1	H
UKH 150	25	150	8	8	1	V
			8	8	1	H
RTP 2.5 ***	0.5	4	42	84	2	V
			42	84	2	H
RTP 4	0.5	4	39	78	2	V
			39	78	2	H
RTP 6	0.5	10	31	62	2	V
			31	62	2	H
RTP 10	0.5	16	25	50	2	V
			25	50	2	H
RTP 16	0.5	16	20	40	2	V
			20	40	2	H
RTP 25	0.5	25	18	36	2	V
			18	36	2	H
RTP 35	0.5	35	39	78	2	V
			39	78	2	H
RTP 50	10	50	12	12	1	V
			12	12	1	H
RTP 95	6	95	9	9	1	V
			9	9	1	H

* 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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