

JUNCTION BOX

Supreme SERIES

SPM 6



Zone 1,2,21,22

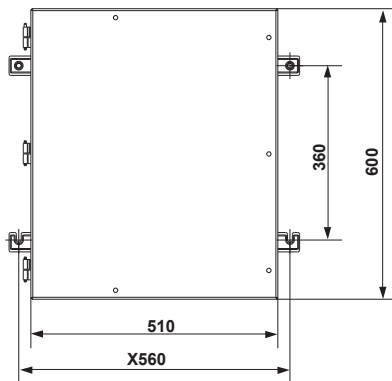


SPECIFICATION

Type	SPM 6
Application	Terminal box or marshaling box
Protection	Ex e IIC GB- Ex t IIIC Db
Marking (ATEX)	⊕ II 2 GD
Certificat No.	TÜV 13 ATEX 7439X - IECEX TUR 13.0012X
Standards	IEC 60079-0, IEC 60079-7, IEC 60079-11, IEC 60079-31
Material	A) Stainless steel B) Painted mild steel
Finish	Stainless steel may be coated or painted to suit customer application Mild steel may be coated or painted to suit customer application
Ingress protection	IP 66 to IEC 60529
Temperature class	T6 / T5 / T4
Ambient temperature	-30°C to 55°C / -20°C to 40°C
lid fixing	Hinged by 5 (vertical) or 7 (horizontal) M6 stainless steel screws
Earthing	M12 Internal / External stainless steel stud
Enclosure mounting	4 slotted fixing brackets for M10 screws
Drain plug	M20 breather/drain plug as an option
Entries	Through gland plates or through walls

SIDE CABLE ENTRY SELECTION

THREAD SIZE	M20(O)	M20(A)	M25(B)	M32⊙	M40(C2)	M50(D)	M63(E)	M75(F)	M90	M100	M110
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	-	-	-
Height	L_R	T_B	L_R	T_B	L_R	T_B	L_R	T_B	L_R	T_B	L_R
MAX.NO. OF ENTRIES 140	34 (54)	15 (30)	12 (24)	9 (10)	- (8)	- (7)	- (5)	- -	- -	- -	- -
Height	L_R	T_B	L_R	T_B	L_R	T_B	L_R	T_B	L_R	T_B	L_R
MAX.NO. OF ENTRIES 200	67 (90)	45 (60)	24 (36)	18 (20)	13 (16)	6 (14)	5 (6)	4 (5)	- (3)	- (3)	- -
Height	L_R	T_B	L_R	T_B	L_R	T_B	L_R	T_B	L_R	T_B	L_R
MAX.NO. OF ENTRIES 300	19 (144)	90 (80)	59 (60)	35 (40)	24 (24)	13 (21)	10 (12)	7 (10)	4 (4)	3 (3)	3 (3)
	L_R	T_B	L_R	T_B	L_R	T_B	L_R	T_B	L_R	T_B	L_R
	98 (120)	72 (72)	48 (50)	31 (32)	18 (21)	15 (18)	8 (10)	6 (8)	3 (3)	3 (2)	2 (2)



* Values in brackets are valid when no gland plate is installed

** The number of entries indicated above is for reference only, and may vary depend on application requirement e.g.: type of cable entries , number of terminals , ...

***Dimensions in mm

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SPM 6 TERMINAL CAPACITY DATA

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	70	280	4	HORIZONTAL
			89	267	3	VERTICAL
WDU 2.5 / 1.5/ ZR	0.13	4	70	280	4	HORIZONTAL
			89	267	3	VERTICAL
WDU 2.5	0.13	4	70	280	4	HORIZONTAL
			89	267	3	VERTICAL
WDU 2.5N	0.13	4	70	280	4	HORIZONTAL
			89	267	3	VERTICAL
WDU 4	0.13	6	59	236	4	HORIZONTAL
			75	225	3	VERTICAL
WDU 6	0.5	10	45	180	4	HORIZONTAL
			57	171	3	VERTICAL
WDU 10	1.31	16	36	144	4	HORIZONTAL
			46	138	3	VERTICAL
WDU 16	1.5	25	30	120	4	HORIZONTAL
			38	114	3	VERTICAL
WDU 35	2.5	50	22	88	4	HORIZONTAL
			28	84	3	VERTICAL
WDU 50N	5.26	70	19	57	3	HORIZONTAL
			24	48	2	VERTICAL
WDU 70/95	16	120	13	13	1	HORIZONTAL
			16	16	1	VERTICAL
WDU 120/150	35	150	11	11	1	HORIZONTAL
			14	14	1	VERTICAL
WDU 240	70	240	10	10	1	HORIZONTAL
			12	12	1	VERTICAL
WDK2.5*	0.05	4	70	280	4	HORIZONTAL
			89	267	3	VERTICAL
WDK ZQV	0.05	4	70	280	4	HORIZONTAL
			89	267	3	VERTICAL
WDK 2.5 V	0.05	4	70	280	4	HORIZONTAL
			89	267	3	VERTICAL
WDK 2.5 DU-PE	0.05	4	70	280	4	HORIZONTAL
			89	267	3	VERTICAL
WDK 2.5 / 800V	0.05	4	59	236	4	HORIZONTAL
			75	225	3	VERTICAL
WDK 2.5N	0.05	4	70	280	4	HORIZONTAL
			89	267	3	VERTICAL
WDK 2.5N V	0.05	4	70	280	4	HORIZONTAL
			89	267	3	VERTICAL
WDK 2.5N DU-PE	0.05	4	70	280	4	HORIZONTAL
			89	267	3	VERTICAL
WDK 4N	0.13	6	59	236	4	HORIZONTAL
			75	225	3	VERTICAL
WDK 4N V	0.13	6	59	236	4	HORIZONTAL
			75	225	3	VERTICAL
WDK 4N DU-PE	0.13	6	59	236	4	HORIZONTAL
			75	225	3	VERTICAL
WDK 2.5 PE	0.05	4	70	280	4	HORIZONTAL
			89	267	3	VERTICAL
WDK 2.5N PE	0.05	4	70	280	4	HORIZONTAL
			89	267	3	VERTICAL
WPE 1.5/ZZ	0.13	2.5	70	280	4	HORIZONTAL
			89	267	3	VERTICAL
WPE 2.5/1.5/ZR	0.05	4	70	280	4	HORIZONTAL
			89	267	3	VERTICAL
WPE 2.5	0.05	4	70	280	4	HORIZONTAL
			89	267	3	VERTICAL
WPE 2.5N	0.05	4	70	280	4	HORIZONTAL
			89	267	3	VERTICAL
WPE 4	0.13	6	59	236	4	HORIZONTAL
			75	225	3	VERTICAL

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SPM 6 TERMINAL CAPACITY DATA (Continued)

TERMINAL TYPE	CONDUCTOR SIZE mm ²		MAX NO OF TERMINALS		MAX NO OF RAILS	
	MIN	MAX	PER RAIL	TOTAL		
WPE 6	0.33	10	45	180	4	HORIZONTAL
			57	171	3	VERTICAL
WPE 10	1.31	16	36	144	4	HORIZONTAL
			46	138	3	VERTICAL
WPE 16	1.5	25	30	120	4	HORIZONTAL
			38	114	3	VERTICAL
WPE 35	2.5	50	22	88	4	HORIZONTAL
			28	84	3	VERTICAL
WPE 50N	10	70	19	57	3	HORIZONTAL
			24	48	2	VERTICAL
WPE 70N/35	10	95	17	51	3	HORIZONTAL
			22	44	2	VERTICAL
WPE 95N/120N	16	150	13	52	4	HORIZONTAL
			16	48	3	VERTICAL
WPE 70/95	13.3	120	13	13	1	HORIZONTAL
			16	16	1	VERTICAL
WPE 120/150	33.62	150	11	11	1	HORIZONTAL
			14	14	1	VERTICAL
WFF35*	2.5	50	13	52	4	HORIZONTAL
			16	48	3	VERTICAL
WFF70	2.5	95	11	22	1	HORIZONTAL
			14	14	1	VERTICAL
WFF120	6	150	8	8	1	HORIZONTAL
			10	10	1	VERTICAL
WFF185	10	240	6	6	1	HORIZONTAL
			8	8	1	VERTICAL
WFF300	25	300	6	6	1	HORIZONTAL
			8	8	1	VERTICAL
SAK 2.5*	0.5	4	60	240	4	HORIZONTAL
			76	228	3	VERTICAL
SAK 4	0.5	6	55	220	4	HORIZONTAL
			70	210	3	VERTICAL
SAK 6N	0.5	10	45	180	4	HORIZONTAL
			57	171	3	VERTICAL
SAK 10	1.5	16	36	144	4	HORIZONTAL
			45	135	3	VERTICAL
SAK 16	2.5	16	30	120	4	HORIZONTAL
			38	114	3	VERTICAL
SAK 35	6	50	20	80	4	HORIZONTAL
			25	75	3	VERTICAL
ZDU 2.5*	0.08	4	70	280	4	HORIZONTAL
			89	267	3	VERTICAL
ZDU2.5/3AN	0.08	4	70	280	4	HORIZONTAL
			89	267	3	VERTICAL
ZDU2.5/4AN	0.08	4	70	280	4	HORIZONTAL
			89	267	3	VERTICAL
ZDU2.5/2x2AN	0.08	4	70	280	4	HORIZONTAL
			89	267	3	VERTICAL
ZDU 4	0.21	6	60	240	4	HORIZONTAL
			76	228	3	VERTICAL
ZDU 6	0.21	6	45	180	4	HORIZONTAL
			57	171	3	VERTICAL
ZDK2.5/1.5*	0.08	2.5	70	280	4	HORIZONTAL
			89	267	3	VERTICAL
UK 1.5N**	0.14	0.7	85	340	4	HORIZONTAL
			109	327	3	VERTICAL
UK 2.5N	0.2	2.5	69	276	4	HORIZONTAL
			88	264	3	VERTICAL
UK 3N	0.2	2.5	69	276	4	HORIZONTAL
			88	264	3	VERTICAL
UK 5N	0.2	4	58	232	4	HORIZONTAL
			73	219	3	VERTICAL

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	MIN	MAX	PER RAIL	TOTAL		
UK 6N	0.2	6	43	172	4	HORIZONTAL
			55	165	3	VERTICAL
UK 10N	0.5	10	35	140	4	HORIZONTAL
			44	132	3	VERTICAL
UK 16N	0.75	16	29	116	4	HORIZONTAL
			37	111	3	VERTICAL
UK 35	0.75	35	23	92	4	HORIZONTAL
			30	90	3	VERTICAL
UKH 50	10	50	18	54	3	HORIZONTAL
			22	44	2	VERTICAL
UKH 95	16	95	14	14	1	HORIZONTAL
			18	18	1	VERTICAL
UKH 150	25	150	11	11	1	HORIZONTAL
			14	14	1	VERTICAL
RTP 2.5***	0.5	4	60	240	4	HORIZONTAL
			76	228	3	VERTICAL
RTP 4	0.5	4	56	224	4	HORIZONTAL
			71	213	3	VERTICAL
RTP 6	0.5	10	45	180	4	HORIZONTAL
			57	171	3	VERTICAL
RTP 10	0.5	16	36	144	4	HORIZONTAL
			45	135	3	VERTICAL
RTP 16	0.5	16	28	112	4	HORIZONTAL
			36	108	3	VERTICAL
RTP 25	0.5	25	26	104	4	HORIZONTAL
			33	99	3	VERTICAL
RTP 35	1.5	35	55	220	4	HORIZONTAL
			70	210	3	VERTICAL
RTP 50	10	50	17	51	3	HORIZONTAL
			22	44	2	VERTICAL
RTP 95	6	95	13	13	1	HORIZONTAL
			16	16	1	VERTICAL

* 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.