

JUNCTION BOX

Supreme SERIES
SPM 7



Zone 1,2,21,22

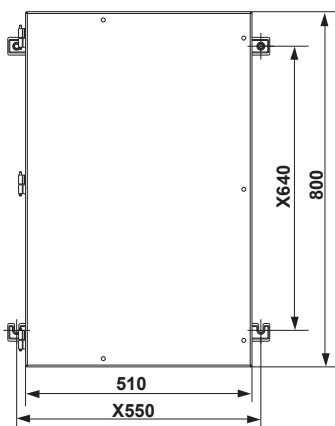


SPECIFICATION

Type	SPM 7
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 9 (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(C)	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	L _R	L _R	L _R	L _R	L _R	L _R	L _R	L _R	L _R	L _R
MAX.NO. OF ENTRIES	140	140	140	140	140	140	140	140	140	140	140
Height	T _B	T _B	T _B	T _B	T _B	T _B	T _B	T _B	T _B	T _B	T _B
MAX.NO. OF ENTRIES	200	200	200	200	200	200	200	200	200	200	200
Height	L _R	L _R	L _R	L _R	L _R	L _R	L _R	L _R	L _R	L _R	L _R
MAX.NO. OF ENTRIES	300	300	300	300	300	300	300	300	300	300	300
Height	T _B	T _B	T _B	T _B	T _B	T _B	T _B	T _B	T _B	T _B	T _B
MAX.NO. OF ENTRIES	300	300	300	300	300	300	300	300	300	300	300



* 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 7 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	72	360	5	HORIZONTAL VERTICAL
			128	384	3	
WDU 2.5 / 1.5/ ZR	0.13	4	72	360	5	HORIZONTAL VERTICAL
			128	384	3	
WDU 2.5	0.13	4	72	360	5	HORIZONTAL VERTICAL
			128	384	3	
WDU 2.5N	0.13	4	72	360	5	HORIZONTAL VERTICAL
			128	384	3	
WDU 4	0.13	6	60	300	5	HORIZONTAL VERTICAL
			107	321	3	
WDU 6	0.5	10	46	230	5	HORIZONTAL VERTICAL
			83	249	3	
WDU 10	1.31	16	37	185	5	HORIZONTAL VERTICAL
			66	198	3	
WDU 16	1.5	25	31	155	5	HORIZONTAL VERTICAL
			55	165	3	
WDU 35	2.5	50	23	115	5	HORIZONTAL VERTICAL
			41	123	3	
WDU 50N	5.26	70	20	70	2	HORIZONTAL VERTICAL
			35	80	4	
WDU 70/95	16	120	13	13	1	HORIZONTAL VERTICAL
			24	24	1	
WDU 120/150	35	150	11	11	1	HORIZONTAL VERTICAL
			20	20	1	
WDU 240	70	240	10	10	1	HORIZONTAL VERTICAL
			18	18	1	
WDK2.5*	0.05	4	72	360	5	HORIZONTAL VERTICAL
			128	384	3	
WDK ZQV	0.05	4	72	360	5	HORIZONTAL VERTICAL
			128	384	3	
WDK 2.5 V	0.05	4	72	360	5	HORIZONTAL VERTICAL
			128	384	3	
WDK 2.5 DU-PE	0.05	4	72	360	5	HORIZONTAL VERTICAL
			128	384	3	
WDK 2.5 / 800V	0.05	4	60	300	5	HORIZONTAL VERTICAL
			107	321	3	
WDK 2.5N	0.05	4	72	360	5	HORIZONTAL VERTICAL
			128	384	3	
WDK 2.5N V	0.05	4	72	360	5	HORIZONTAL VERTICAL
			128	384	3	
WDK 2.5N DU-PE	0.05	4	72	360	5	HORIZONTAL VERTICAL
			128	384	3	
WDK 4N	0.13	6	60	300	5	HORIZONTAL VERTICAL
			107	321	3	
WDK 4N V	0.13	6	60	300	5	HORIZONTAL VERTICAL
			107	321	3	
WDK 4N DU-PE	0.13	6	60	300	5	HORIZONTAL VERTICAL
			107	321	3	
WDK 2.5 PE	0.05	4	72	360	5	HORIZONTAL VERTICAL
			128	384	3	
WDK 2.5N PE	0.05	4	72	360	5	HORIZONTAL VERTICAL
			128	384	3	
WPE 1.5/ZZ	0.13	2.5	72	360	5	HORIZONTAL VERTICAL
			128	384	3	
WPE 2.5/1.5/ZR	0.05	4	72	360	5	HORIZONTAL VERTICAL
			128	384	3	
WPE 2.5	0.05	4	72	360	5	HORIZONTAL VERTICAL
			128	384	3	
WPE 2.5N	0.05	4	72	360	5	HORIZONTAL VERTICAL
			128	384	3	
WPE 4	0.13	6	60	300	5	HORIZONTAL VERTICAL
			107	321	3	

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SPM 7 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	46	230	5	HORIZONTAL
			83	249	3	VERTICAL
WPE 10	1.31	16	37	185	5	HORIZONTAL
			66	198	3	VERTICAL
WPE 16	1.5	25	31	155	5	HORIZONTAL
			55	165	3	VERTICAL
WPE 35	2.5	50	23	115	5	HORIZONTAL
			41	123	3	VERTICAL
WPE 50N	10	70	20	80	4	HORIZONTAL
			35	70	2	VERTICAL
WPE 70N/35	10	95	18	72	4	HORIZONTAL
			32	64	2	VERTICAL
WPE 95N/120N	16	150	13	26	2	HORIZONTAL
			24	24	1	VERTICAL
WPE 70/95	13.3	120	13	26	2	HORIZONTAL
			24	24	1	VERTICAL
WPE 120/150	33.62	150	11	11	1	HORIZONTAL
			20	20	1	VERTICAL
WFF35*	2.5	50	13	65	5	HORIZONTAL
			24	72	3	VERTICAL
WFF70	2.5	95	11	22	2	HORIZONTAL
			20	20	1	VERTICAL
WFF120	6	150	8	8	1	HORIZONTAL
			15	15	1	VERTICAL
WFF185	10	240	6	6	1	HORIZONTAL
			11	11	1	VERTICAL
WFF300	25	300	6	6	1	HORIZONTAL
			11	11	1	VERTICAL
SAK 2.5*	0.5	4	61	305	5	HORIZONTAL
			109	327	3	VERTICAL
SAK 4	0.5	6	57	285	5	HORIZONTAL
			100	300	3	VERTICAL
SAK 6N	0.5	10	46	230	5	HORIZONTAL
			82	246	3	VERTICAL
SAK 10	1.5	16	37	185	5	HORIZONTAL
			65	195	3	VERTICAL
SAK 16	2.5	16	30	150	5	HORIZONTAL
			54	162	3	VERTICAL
SAK 35	6	50	20	100	5	HORIZONTAL
			36	108	3	VERTICAL
ZDU 2.5*	0.08	4	72	360	5	HORIZONTAL
			128	384	3	VERTICAL
ZDU2.5/3AN	0.08	4	72	360	5	HORIZONTAL
			128	384	3	VERTICAL
ZDU2.5/4AN	0.08	4	72	360	5	HORIZONTAL
			128	384	3	VERTICAL
ZDU2.5/2x2AN	0.08	4	72	360	5	HORIZONTAL
			128	384	3	VERTICAL
ZDU 4	0.21	6	61	305	5	HORIZONTAL
			109	327	3	VERTICAL
ZDU 6	0.21	6	46	230	5	HORIZONTAL
			82	246	3	VERTICAL
ZDK2.5/1.5*	0.08	2.5	72	360	5	HORIZONTAL
			128	384	3	VERTICAL
UK 1.5N**	0.14	0.7	88	440	5	HORIZONTAL
			156	468	3	VERTICAL
UK 2.5N	0.2	2.5	71	355	5	HORIZONTAL
			126	378	3	VERTICAL
UK 3N	0.2	2.5	71	355	5	HORIZONTAL
			126	378	3	VERTICAL
UK 5N	0.2	4	59	295	5	HORIZONTAL
			105	315	3	VERTICAL

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TERMINAL TYPE	CONDUCTOR SIZE mm ²		MAX NO OF TERMINALS		MAX NO OF RAILS	
	MIN	MAX	PER RAIL	TOTAL		
UK 6N	0.2	6	45	225	5	HORIZONTAL
			80	240	3	VERTICAL
UK 10N	0.5	10	36	180	5	HORIZONTAL
			64	192	3	VERTICAL
UK 16N	0.75	16	30	150	5	HORIZONTAL
			53	159	3	VERTICAL
UK 35	0.75	35	24	120	5	HORIZONTAL
			43	129	3	VERTICAL
UKH 50	10	50	18	64	2	HORIZONTAL
			36	72	4	VERTICAL
UKH 95	16	95	14	28	2	HORIZONTAL
			26	26	1	VERTICAL
UKH 150	25	150	11	11	1	HORIZONTAL
			21	21	1	VERTICAL
RTP 2.5***	0.5	4	61	305	5	HORIZONTAL
			109	327	3	VERTICAL
RTP 4	0.5	4	57	285	5	HORIZONTAL
			102	306	3	VERTICAL
RTP 6	0.5	10	46	230	5	HORIZONTAL
			82	246	3	VERTICAL
RTP 10	0.5	16	37	185	5	HORIZONTAL
			65	195	3	VERTICAL
RTP 16	0.5	16	29	145	5	HORIZONTAL
			52	156	3	VERTICAL
RTP 25	0.5	25	27	135	5	HORIZONTAL
			48	144	3	VERTICAL
RTP 35	1.5	35	57	285	5	HORIZONTAL
			100	300	3	VERTICAL
RTP 50	10	50	18	72	4	HORIZONTAL
			32	64	2	VERTICAL
RTP 95	6	95	13	26	2	HORIZONTAL
			24	24	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.