

JUNCTION BOX

Supreme SERIES
SPM 9



Zone 1,2,21,22

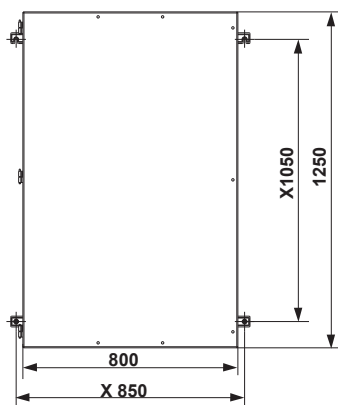


SPECIFICATION

Type	SPM 9
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 7 (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	48 (114) 78 (72)	21 (62) 37 (40)	16 (52) 26 (32)	13 (21) 21 (13)	- (18) - (11)	- (15) - (9)	- (12) - (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 200	72 (190) 156(120)	63 (124) 99 (80)	32 (78) 52 (57)	26 (12) 42 (26)	11 (36) 18 (22)	9 (30) 14 (18)	7 (12) 12 (8)	6 (10) 10 (6)	- (8) - (5)	- (7) - (4)	- - - -
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	168(304) 273(192)	126(186) 198(120)	79(130) 129(80)	51(84) 83(52)	33(54) 54(33)	26(45) 42(27)	14(24) 24(16)	11(20) 19(12)	- (8) 9 (5)	- (7) 7 (4)	- (6) 6 (4)



* 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 9 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	128	1024	8	HORIZONTAL VERTICAL
			217	1085	5	
WDU 2.5 / 1.5/ ZR	0.13	4	128	1024	8	HORIZONTAL VERTICAL
			217	1085	5	
WDU 2.5	0.13	4	128	1024	8	HORIZONTAL VERTICAL
			217	1085	5	
WDU 2.5N	0.13	4	128	1024	8	HORIZONTAL VERTICAL
			217	1085	5	
WDU 4	0.13	6	107	856	8	HORIZONTAL VERTICAL
			181	905	5	
WDU 6	0.5	10	83	664	8	HORIZONTAL VERTICAL
			140	700	5	
WDU 10	1.31	16	66	528	8	HORIZONTAL VERTICAL
			111	555	5	
WDU 16	1.5	25	55	440	8	HORIZONTAL VERTICAL
			93	465	5	
WDU 35	2.5	50	41	328	8	HORIZONTAL VERTICAL
			69	345	5	
WDU 50N	5.26	70	35	245	7	HORIZONTAL VERTICAL
			59	236	4	
WDU 70/95	16	120	24	72	3	HORIZONTAL VERTICAL
			41	82	2	
WDU 120/150	35	150	20	60	3	HORIZONTAL VERTICAL
			34	68	2	
WDU 240	70	240	18	54	3	HORIZONTAL VERTICAL
			30	30	2	
WDK2.5*	0.05	4	128	1024	8	HORIZONTAL VERTICAL
			217	1085	5	
WDK ZQV	0.05	4	128	1024	8	HORIZONTAL VERTICAL
			217	1085	5	
WDK 2.5 V	0.05	4	128	1024	8	HORIZONTAL VERTICAL
			217	1085	5	
WDK 2.5 DU-PE	0.05	4	128	1024	8	HORIZONTAL VERTICAL
			217	1085	5	
WDK 2.5 / 800V	0.05	4	107	856	8	HORIZONTAL VERTICAL
			181	905	5	
WDK 2.5N	0.05	4	128	1024	8	HORIZONTAL VERTICAL
			217	1085	5	
WDK 2.5N V	0.05	4	128	1024	8	HORIZONTAL VERTICAL
			217	1085	5	
WDK 2.5N DU-PE	0.05	4	128	1024	8	HORIZONTAL VERTICAL
			217	1085	5	
WDK 4N	0.13	6	107	856	8	HORIZONTAL VERTICAL
			181	905	5	
WDK 4N V	0.13	6	107	856	8	HORIZONTAL VERTICAL
			181	905	5	
WDK 4N DU-PE	0.13	6	107	856	8	HORIZONTAL VERTICAL
			181	905	5	
WDK 2.5 PE	0.05	4	128	1024	8	HORIZONTAL VERTICAL
			217	1085	5	
WDK 2.5N PE	0.05	4	128	1024	8	HORIZONTAL VERTICAL
			217	1085	5	
WPE 1.5/ZZ	0.13	2.5	128	1024	8	HORIZONTAL VERTICAL
			217	1085	5	
WPE 2.5/1.5/ZR	0.05	4	128	1024	8	HORIZONTAL VERTICAL
			217	1085	5	
WPE 2.5	0.05	4	128	1024	8	HORIZONTAL VERTICAL
			217	1085	5	
WPE 2.5N	0.05	4	128	1024	8	HORIZONTAL VERTICAL
			217	1085	5	
WPE 4	0.13	6	107	856	8	HORIZONTAL VERTICAL
			181	905	5	

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SPM 9 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	83	664	8	HORIZONTAL
			140	700	5	VERTICAL
WPE 10	1.31	16	66	528	8	HORIZONTAL
			111	555	5	VERTICAL
WPE 16	1.5	25	55	440	8	HORIZONTAL
			93	465	5	VERTICAL
WPE 35	2.5	50	41	328	8	HORIZONTAL
			69	345	5	VERTICAL
WPE 50N	10	70	35	245	7	HORIZONTAL
			59	236	4	VERTICAL
WPE 70N/35	10	95	32	96	3	HORIZONTAL
			54	108	2	VERTICAL
WPE 95N/120N	16	150	24	72	3	HORIZONTAL
			41	82	2	VERTICAL
WPE 70/95	13.3	120	24	72	3	HORIZONTAL
			41	82	2	VERTICAL
WPE 120/150	33.62	150	20	60	3	HORIZONTAL
			34	68	2	VERTICAL
WFF35*	2.5	50	24	192	8	HORIZONTAL
			41	205	5	VERTICAL
WFF70	2.5	95	20	60	3	HORIZONTAL
			34	68	2	VERTICAL
WFF120	6	150	15	45	3	HORIZONTAL
			26	52	2	VERTICAL
WFF185	10	240	11	33	3	HORIZONTAL
			20	40	2	VERTICAL
WFF300	25	300	11	33	3	HORIZONTAL
			20	40	2	VERTICAL
SAK 2.5*	0.5	4	109	872	8	HORIZONTAL
			184	920	5	VERTICAL
SAK 4	0.5	6	100	800	8	HORIZONTAL
			170	850	5	VERTICAL
SAK 6N	0.5	10	82	656	8	HORIZONTAL
			138	690	5	VERTICAL
SAK 10	1.5	16	65	520	8	HORIZONTAL
			110	550	5	VERTICAL
SAK 16	2.5	16	54	432	8	HORIZONTAL
			92	460	5	VERTICAL
SAK 35	6	50	36	288	8	HORIZONTAL
			61	305	5	VERTICAL
ZDU 2.5*	0.08	4	128	1024	8	HORIZONTAL
			217	1085	5	VERTICAL
ZDU2.5/3AN	0.08	4	128	1024	8	HORIZONTAL
			217	1085	5	VERTICAL
ZDU2.5/4AN	0.08	4	128	1024	8	HORIZONTAL
			217	1085	5	VERTICAL
ZDU2.5/2x2AN	0.08	4	128	1024	8	HORIZONTAL
			217	1085	5	VERTICAL
ZDU 4	0.21	6	109	872	8	HORIZONTAL
			184	920	5	VERTICAL
ZDU 6	0.21	6	82	656	8	HORIZONTAL
			138	690	5	VERTICAL
ZDK2.5/1.5*	0.08	2.5	128	1024	8	HORIZONTAL
			217	1085	5	VERTICAL
UK 1.5N**	0.14	0.7	156	1248	8	HORIZONTAL
			263	1315	5	VERTICAL
UK 2.5N	0.2	2.5	126	1008	8	HORIZONTAL
			213	1065	5	VERTICAL
UK 3N	0.2	2.5	126	1008	8	HORIZONTAL
			213	1065	5	VERTICAL
UK 5N	0.2	4	105	840	8	HORIZONTAL
			178	890	5	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	80	640	8	HORIZONTAL
			135	675	5	VERTICAL
UK 10N	0.5	10	64	512	8	HORIZONTAL
			108	540	5	VERTICAL
UK 16N	0.75	16	53	424	8	HORIZONTAL
			90	450	5	VERTICAL
UK 35	0.75	35	43	344	8	HORIZONTAL
			72	360	5	VERTICAL
UKH 50	10	50	32	224	7	HORIZONTAL
			55	220	4	VERTICAL
UKH 95	16	95	26	78	3	HORIZONTAL
			44	88	2	VERTICAL
UKH 150	25	150	21	63	3	HORIZONTAL
			35	70	2	VERTICAL
RTP 2.5***	0.5	4	109	872	8	HORIZONTAL
			184	920	5	VERTICAL
RTP 4	0.5	4	102	816	8	HORIZONTAL
			173	865	5	VERTICAL
RTP 6	0.5	10	82	656	8	HORIZONTAL
			138	690	5	VERTICAL
RTP 10	0.5	16	65	520	8	HORIZONTAL
			110	550	5	VERTICAL
RTP 16	0.5	16	52	416	8	HORIZONTAL
			88	440	5	VERTICAL
RTP 25	0.5	25	48	384	8	HORIZONTAL
			81	405	5	VERTICAL
RTP 35	1.5	35	100	800	8	HORIZONTAL
			170	850	5	VERTICAL
RTP 50	10	50	32	224	7	HORIZONTAL
			55	220	7	VERTICAL
RTP 95	6	95	24	72	3	HORIZONTAL
			42	84	2	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.