

JUNCTION BOX

Supreme SERIES
SPM 5



Zone 1,2,21,22

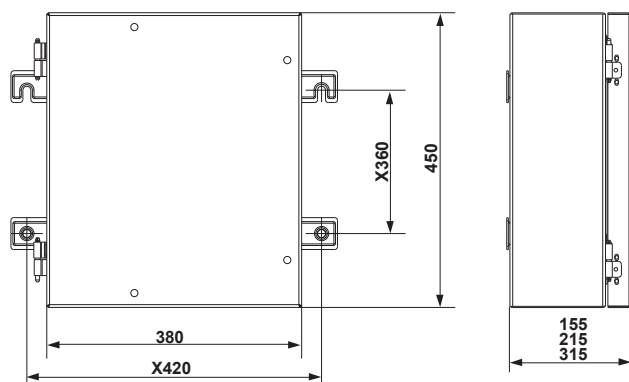


SPECIFICATION

Type	SPM 5
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 4xM6 Stainless steel screws
Earthing	M10 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	25 (39) 20 (33)	11 (22) 9 (18)	8 (18) 7 (16)	7 (7) 5 (6)	- (6) - (5)	- (5) - (4)	- (4) - (3)	- - - -	- - - -	- - - -
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	47 (65) 39 (55)	33 (44) 27 (36)	16 (27) 14 (24)	14 (14) 10 (12)	11 (12) 7 (10)	5 (10) 4 (8)	4 (4) 3 (3)	3 (3) 2 (3)	- (2) - (2)	- (2) - (1)
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	84 (104) 70 (88)	66 (66) 54 (54)	39 (45) 34 (40)	18 (28) 20 (24)	17 (18) 14 (15)	10 (15) 8 (12)	7 (8) 6 (6)	5 (6) 4 (6)	3 (3) 2 (2)	2 (2) 2 (2) 1 (1)



* 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 5 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	61	122	2	VERTICAL
			46	138	3	HORIZONTAL
WDU 2.5 / 1.5/ ZR	0.13	4	61	122	2	VERTICAL
			46	138	3	HORIZONTAL
WDU 2.5	0.13	4	61	122	2	VERTICAL
			46	138	3	HORIZONTAL
WDU 2.5N	0.13	4	61	122	2	VERTICAL
			46	138	3	HORIZONTAL
WDU 4	0.13	6	51	102	2	VERTICAL
			39	117	3	HORIZONTAL
WDU 6	0.5	10	39	78	2	VERTICAL
			30	90	3	HORIZONTAL
WDU 10	1.31	16	31	62	2	VERTICAL
			24	72	3	HORIZONTAL
WDU 16	1.5	25	26	52	2	VERTICAL
			20	60	3	HORIZONTAL
WDU 35	2.5	50	19	38	2	VERTICAL
			14	42	3	HORIZONTAL
WDU 50N	5.26	70	16	32	2	VERTICAL
			12	36	3	HORIZONTAL
WDU 70/95	16	120	11	11	1	VERTICAL
			8	8	1	HORIZONTAL
WDU 120/150	35	150	9	9	1	VERTICAL
			7	7	1	HORIZONTAL
WDU 240	70	240	8	8	1	VERTICAL
			6	6	1	HORIZONTAL
WDK2.5*	0.05	4	61	122	2	VERTICAL
			46	138	3	HORIZONTAL
WDK ZQV	0.05	4	61	122	2	VERTICAL
			46	138	3	HORIZONTAL
WDK 2.5 V	0.05	4	61	122	2	VERTICAL
			46	138	3	HORIZONTAL
WDK 2.5 DU-PE	0.05	4	61	122	2	VERTICAL
			46	138	3	HORIZONTAL
WDK 2.5 / 800V	0.05	4	51	102	2	VERTICAL
			39	117	3	HORIZONTAL
WDK 2.5N	0.05	4	61	122	2	VERTICAL
			46	138	3	HORIZONTAL
WDK 2.5N V	0.05	4	61	122	2	VERTICAL
			46	138	3	HORIZONTAL
WDK 2.5N DU-PE	0.05	4	61	122	2	VERTICAL
			46	138	3	HORIZONTAL
WDK 4N	0.13	6	51	102	2	VERTICAL
			39	117	3	HORIZONTAL
WDK 4N V	0.13	6	51	102	2	VERTICAL
			39	117	3	HORIZONTAL
WDK 4N DU-PE	0.13	6	51	102	2	VERTICAL
			39	117	3	HORIZONTAL
WDK 2.5 PE	0.05	4	61	122	2	VERTICAL
			46	138	3	HORIZONTAL
WDK 2.5N PE	0.05	4	61	122	2	VERTICAL
			46	138	3	HORIZONTAL
WPE 1.5/ZZ	0.13	2.5	61	122	2	VERTICAL
			46	138	3	HORIZONTAL
WPE 2.5/1.5/ZR	0.05	4	61	122	2	VERTICAL
			46	138	3	HORIZONTAL
WPE 2.5	0.05	4	61	122	2	VERTICAL
			46	138	3	HORIZONTAL
WPE 2.5N	0.05	4	61	122	2	VERTICAL
			46	138	3	HORIZONTAL
WPE 4	0.13	6	51	102	2	VERTICAL
			39	117	3	HORIZONTAL

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SPM 5 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	39	78	2	VERTICAL
			30	90	3	HORIZONTAL
WPE 10	1.31	16	31	62	2	VERTICAL
			24	72	3	HORIZONTAL
WPE 16	1.5	25	26	52	2	VERTICAL
			20	60	3	HORIZONTAL
WPE 35	2.5	50	19	38	2	VERTICAL
			14	42	3	HORIZONTAL
WPE 50N	10	70	16	32	2	VERTICAL
			12	36	3	HORIZONTAL
WPE 70N/35	10	95	15	15	2	VERTICAL
			11	11	1	HORIZONTAL
WPE 95N/120N	16	150	11	11	1	VERTICAL
			8	8	2	HORIZONTAL
WPE 70/95	13.3	120	11	11	1	VERTICAL
			8	8	1	HORIZONTAL
WPE 120/150	33.62	150	9	9	1	VERTICAL
			7	7	1	HORIZONTAL
WFF35*	2.5	50	11	22	2	VERTICAL
			8	24	3	HORIZONTAL
WFF70	2.5	95	9	9	1	VERTICAL
			7	14	2	HORIZONTAL
WFF120	6	150	7	7	1	VERTICAL
			5	5	1	HORIZONTAL
WFF185	10	240	5	5	1	VERTICAL
			4	4	1	HORIZONTAL
WFF300	25	300	5	5	1	VERTICAL
			4	4	1	HORIZONTAL
SAK 2.5*	0.5	4	52	104	2	VERTICAL
			39	117	3	HORIZONTAL
SAK 4	0.5	6	48	96	2	VERTICAL
			36	108	3	HORIZONTAL
SAK 6N	0.5	10	39	78	2	VERTICAL
			29	87	3	HORIZONTAL
SAK 10	1.5	16	31	62	2	VERTICAL
			23	69	3	HORIZONTAL
SAK 16	2.5	16	26	52	2	VERTICAL
			19	57	3	HORIZONTAL
SAK 35	6	50	17	34	2	VERTICAL
			13	39	3	HORIZONTAL
ZDU 2.5*	0.08	4	61	122	2	VERTICAL
			46	138	3	HORIZONTAL
ZDU2.5/3AN	0.08	4	61	122	2	VERTICAL
			46	138	3	HORIZONTAL
ZDU2.5/4AN	0.08	4	61	122	2	VERTICAL
			46	138	3	HORIZONTAL
ZDU2.5/2x2AN	0.08	4	61	122	2	VERTICAL
			46	138	3	HORIZONTAL
ZDU 4	0.21	6	52	104	2	VERTICAL
			39	117	3	HORIZONTAL
ZDU 6	0.21	6	39	78	2	VERTICAL
			29	87	3	HORIZONTAL
ZDK2.5/1.5*	0.08	2.5	61	122	2	VERTICAL
			46	138	3	HORIZONTAL
UK 1.5N**	0.14	0.7	74	148	2	VERTICAL
			56	168	3	HORIZONTAL
UK 2.5N	0.2	2.5	60	120	2	VERTICAL
			45	135	3	HORIZONTAL
UK 3N	0.2	2.5	60	120	2	VERTICAL
			45	135	3	HORIZONTAL
UK 5N	0.2	4	50	100	2	VERTICAL
			38	114	3	HORIZONTAL

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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	38	76	2	VERTICAL
			29	87	3	HORIZONTAL
UK 10N	0.5	10	30	60	2	VERTICAL
			23	69	3	HORIZONTAL
UK 16N	0.75	16	25	50	2	VERTICAL
			19	57	3	HORIZONTAL
UK 35	0.75	35	20	40	2	VERTICAL
			15	45	3	HORIZONTAL
UKH 50	10	50	15	30	2	VERTICAL
			11	33	3	HORIZONTAL
UKH 95	16	95	12	12	1	VERTICAL
			9	9	1	HORIZONTAL
UKH 150	25	150	10	10	1	VERTICAL
			7	7	1	HORIZONTAL
RTP 2.5***	0.5	4	52	104	2	VERTICAL
			39	117	3	HORIZONTAL
RTP 4	0.5	4	48	96	2	VERTICAL
			37	111	3	HORIZONTAL
RTP 6	0.5	10	39	78	2	VERTICAL
			29	87	3	HORIZONTAL
RTP 10	0.5	16	31	62	2	VERTICAL
			23	69	3	HORIZONTAL
RTP 16	0.5	16	24	48	2	VERTICAL
			19	57	3	HORIZONTAL
RTP 25	0.5	25	22	44	2	VERTICAL
			17	51	3	HORIZONTAL
RTP 35	1.5	35	48	96	2	VERTICAL
			36	108	3	HORIZONTAL
RTP 50	10	50	15	30	2	VERTICAL
			11	33	3	HORIZONTAL
RTP 95	6	95	10	10	1	VERTICAL
			8	8	1	HORIZONTAL

* 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.