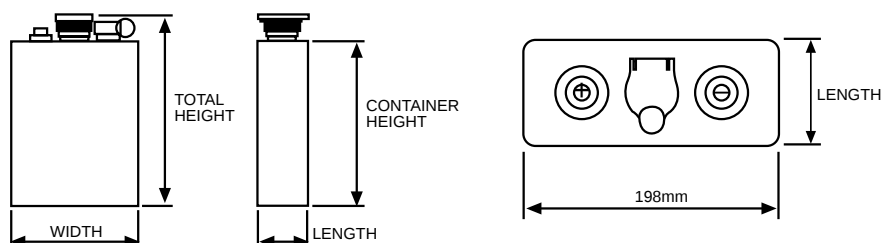


DIN BOLT-ON TRACTION CELLS

DIN CELL TYPE	FNB CELL TYPE	5 HOUR CAPACITY AT 30°C		EXTERNAL DIMENSIONS OF CONTAINER mm:				WET WEIGHT kg ± 5%
		Ah	kWh	LENGTH	WIDTH	CONTAINER HEIGHT	TOTAL HEIGHT	
2 PzS 120 L	DWAF 05P	120	0.24	47	198	336	367	9.5
3 PzS 180 L	DWAF 07P	180	0.36	65	198	336	367	12.5
4 PzS 240 L	DWAF 09P	240	0.48	83	198	336	367	16
5 PzS 300 L	DWAF 11P	300	0.60	101	198	336	367	20
6 PzS 360 L	DWAF 13P	360	0.72	119	198	336	367	24
7 PzS 420 L	DWAF 15P	420	0.84	137	198	336	367	28
8 PzS 480 L	DWAF 17P	480	0.96	155	198	336	367	32
9 PzS 540 L	DWAF 19P	540	1.08	173	198	336	367	36
10 PzS 600 L	DWAF 21P	600	1.20	191	198	336	367	40
2 PzS 160 L	DWBF 05P	160	0.32	47	198	396	427	10
3 PzS 240 L	DWBF 07P	240	0.48	65	198	396	427	14
4 PzS 320 L	DWBF 09P	320	0.64	83	198	396	427	19
5 PzS 400 L	DWBF 11P	400	0.80	101	198	396	427	23
6 PzS 480 L	DWBF 13P	480	0.96	119	198	396	427	28
7 PzS 560 L	DWBF 15P	560	1.12	137	198	396	427	33
8 PzS 640 L	DWBF 17P	640	1.28	155	198	396	427	38
9 PzS 720 L	DWBF 19P	720	1.44	173	198	396	427	43
10 PzS 800 L	DWBF 21P	800	1.60	191	198	396	427	47
2 PzS 180 L	DWCF 05P	180	0.36	47	198	464	495	12
3 PzS 270 L	DWCF 07P	270	0.54	65	198	464	495	17
4 PzS 360 L	DWCF 09P	360	0.72	83	198	464	495	23
5 PzS 450 L	DWCF 11P	450	0.90	101	198	464	495	27
6 PzS 540 L	DWCF 13P	540	1.08	119	198	464	495	32
7 PzS 630 L	DWCF 15P	630	1.26	137	198	464	495	38
8 PzS 720 L	DWCF 17P	720	1.44	155	198	464	495	42
9 PzS 810 L	DWCF 19P	810	1.62	173	198	464	495	47
10 PzS 900 L	DWCF 21P	900	1.80	191	198	464	495	52
2 PzS 220 LL	LDWEF 05P	220	0.44	47	198	540	571	14.5
3 PzS 330 LL	LDWEF 07P	330	0.66	65	198	540	571	21
4 PzS 440 LL	LDWEF 09P	440	0.88	83	198	540	571	27
5 PzS 550 LL	LDWEF 11P	550	1.10	101	198	540	571	34
6 PzS 660 LL	LDWEF 13P	660	1.32	119	198	540	571	40
7 PzS 770 LL	LDWEF 15P	770	1.54	137	198	540	571	46
8 PzS 880 LL	LDWEF 17P	880	1.76	155	198	540	571	51
9 PzS 990 LL	LDWEF 19P	990	1.98	173	198	540	571	57
10 PzS 1100 LL	LDWEF 21P	1100	2.20	191	198	540	571	63
2 PzS 220 L	DWEF 05P	220	0.44	47	198	568	599	15
3 PzS 330 L	DWEF 07P	330	0.66	65	198	568	599	22
4 PzS 440 L	DWEF 09P	440	0.88	83	198	568	599	27
5 PzS 550 L	DWEF 11P	550	1.10	101	198	568	599	33
6 PzS 660 L	DWEF 13P	660	1.32	119	198	568	599	40
7 PzS 770 L	DWEF 15P	770	1.54	137	198	568	599	46
8 PzS 880 L	DWEF 17P	880	1.76	155	198	568	599	52
9 PzS 990 L	DWEF 19P	990	1.98	173	198	568	599	58
10 PzS 1100 L	DWEF 21P	1100	2.20	191	198	568	599	64
2 PzS 280 L	DWFF 05P	280	0.56	47	198	713	744	17
3 PzS 420 L	DWFF 07P	420	0.84	65	198	713	744	25
4 PzS 560 L	DWFF 09P	560	1.12	83	198	713	744	34
5 PzS 700 L	DWFF 11P	700	1.40	101	198	713	744	41
6 PzS 840 L	DWFF 13P	840	1.68	119	198	713	744	51
7 PzS 980 L	DWFF 15P	980	1.96	137	198	713	744	58
8 PzS 1120 L	DWFF 17P	1120	2.24	155	198	713	744	66
9 PzS 1260 L	DWFF 19P	1260	2.52	173	198	713	744	74
10 PzS 1400 L	DWFF 21P	1400	2.80	191	198	713	744	82





All dimensions external in mm.
Refer page 4 for tank drawings.
MASS = wet weight in kg.

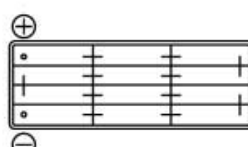
24 VOLT (DIN43535)

A



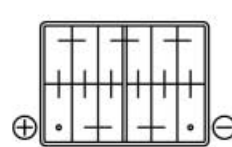
CIRCUIT A

B



CIRCUIT B

C



CIRCUIT C

48 VOLT



CIRCUIT D

DIN TYPE	FNB TYPE		A	B	H2	H3	MASS		A	B	H2	H3	MASS	A	B	H2	H3	MASS	A	B
2 PzS 120 L	DWAF 05P		-	-	-	-	-		621	209	402	-	129	-	-	-	-	-	-	-
3 PzS 180 L	DWAF 07P		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-
4 PzS 240 L	DWAF 09P		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-
5 PzS 300 L	DWAF 11P		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-
6 PzS 360 L	DWAF 13P		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-
7 PzS 420 L	DWAF 15P		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-
8 PzS 480 L	DWAF 17P		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-

2 PzS 160 L	DWBF 05P	*	827	162	462	391	157	*	621	209	462	-	150	303	421	462	391	147	827	303
3 PzS 240 L	DWBF 07P	*	827	216	462	391	211	*	621	281	462	-	204	411	421	462	391	202	827	411
4 PzS 320 L	DWBF 09P	*	827	270	462	391	264	*	621	353	462	-	257	519	421	462	391	256	827	519
5 PzS 400 L	DWBF 11P	*	827	324	462	391	321	*	621	425	462	-	314	627	421	462	391	314	827	627
6 PzS 480 L	DWBF 13P	*	827	378	462	391	374	*	621	497	462	-	367	741	421	462	391	373	827	735
7 PzS 560 L	DWBF 15P		827	432	462	391	431		-	-	-	-	-	-	-	-	-	-	827	843
8 PzS 640 L	DWBF 17P		827	486	462	391	487		621	641	462	-	479	957	421	462	391	488	827	951

2 PzS 180 L	DWCF 05P	*	827	162	537	459	189	*	621	209	537	-	180	303	421	537	459	174	-	-
3 PzS 270 L	DWCF 07P	*	827	216	537	459	251	*	621	281	537	-	243	-	-	-	-	-	-	-
4 PzS 360 L	DWCF 09P	*	827	270	537	459	312	*	621	353	537	-	303	-	-	-	-	-	827	519
5 PzS 450 L	DWCF 11P	*	827	324	537	459	371	*	621	425	537	-	363	-	-	-	-	-	827	627
6 PzS 540 L	DWCF 13P	*	827	378	537	459	433	*	621	497	537	-	425	-	-	-	-	-	827	735
7 PzS 630 L	DWCF 15P		827	432	537	459	497		621	569	537	-	489	849	421	537	459	498	827	843
8 PzS 720 L	DWCF 17P		827	486	537	459	558		621	641	537	-	549	957	421	537	459	559	827	951
9 PzS 810 L	DWCF 19P		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-
10 PzS 900 L	DWCF 21P		827	597	537	459	680		-	-	-	-	-	-	-	-	-	-	-	-

2 PzS 220 L	DWEF 05P	*	827	162	627	563	222	*	621	209	627	-	212	303	421	627	563	207	-	-
3 PzS 330 L	DWEF 07P	*	827	216	627	563	298	*	621	281	627	-	288	411	421	627	563	285	827	411
4 PzS 440 L	DWEF 09P	*	827	270	627	563	372	*	621	353	627	-	362	519	421	627	563	360	827	519
5 PzS 550 L	DWEF 11P	*	827	324	627	563	445	*	621	425	627	-	435	627	421	627	563	435	827	627
6 PzS 660 L	DWEF 13P	*	827	378	627	563	524	*	621	497	627	-	513	741	421	627	563	523	827	735
7 PzS 770 L	DWEF 15P		827	432	627	563	600		621	569	627	-	588	849	421	627	563	599	827	843
8 PzS 880 L	DWEF 17P		827	486	627	563	676		621	641	627	-	664	957	421	627	563	677	827	951
9 PzS 990 L	DWEF 19P		827	543	627	563	752		-	-	-	-	-	-	-	-	-	-	-	-
10 PzS 1100 L	DWEF 21P		827	597	627	563	825		-	-	-	-	-	-	-	-	-	-	-	-

	DWFF 05P		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-
3 PzS 420 L	DWFF 07P	*	832	220	784	708	402	*	625	285	784	-	385	415	425	784	708	380	832	415
4 PzS 560 L	DWFF 09P	*	832	274	784	708	502		-	-	-	-	-	523	425	784	708	479	832	523
5 PzS 700 L	DWFF 11P	*	832	328	784	708	591		-	-	-	-	-	631	425	784	708	574	832	631
6 PzS 840 L	DWFF 13P	*	832	382	784	708	687		625	501	784	-	669	-	-	-	-	-	832	739
7 PzS 980 L	DWFF 15P		832	436	784	708	786		625	573	784	-	768	-	-	-	-	-	-	-
8 PzS 1120 L	DWFF 17P		832	490	784	708	883		625	645	784	-	864	962	425	784	708	886	-	-
9 PzS 1260 L	DWFF 19P		-	-	-	-	-		-	-	-	-	-	-	-	-	-	-	-	-
10 PzS 1400 L	DWFF 21P		832	601	784	708	1072		-	-	-	-	-	-	-	-	-	-	-	-

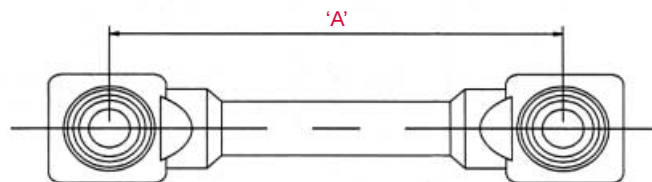
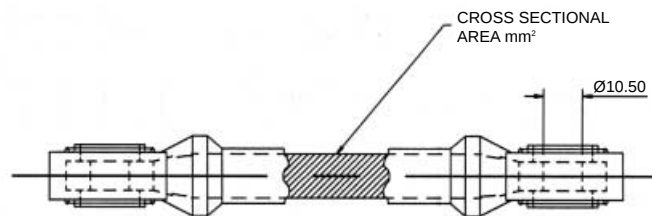
* ONLY ONE LIFTING HOLE AT EACH END

DIN BOLT ON CONNECTORS CATALOG NUMBER					
CELL TYPE	CABLE LENGTH 'A' mm	CROSS SECTION AREA			
		35mm ²	50mm ²	70mm ²	95mm ²
5 PLATE	60				
7 PLATE F-F	80	CB 296	CB 313		
9 PLATE F-F	95	CB 299	CB 316	CB 334	CB 349
11 PLATE F-F	115 ±2.0	CB 301	CB 318	CB 335	
13 PLATE F-F	135 ±2.0		CB 320	CB 336	
15 PLATE F-F	150 ±2.0		CB 322	CB 338	
17 PLATE F-F	170 ±2.0		CB 323	CB 339	CB 350
19 PLATE F-F	190 ±2.0		CB 324	CB 340	CB 351
21 PLATE F-F	205 ±3.0		CB 325	CB 341	CB 352
	250 ±3.0		CB 328	CB 344	
5-21 PLATE E-E	105 ±1.5	CB 300	CB 317	CB 392	CB 393
* BRIDGING CONNECTOR	310 ±3.0	CB 360	CB 361	CB 362	CB 363

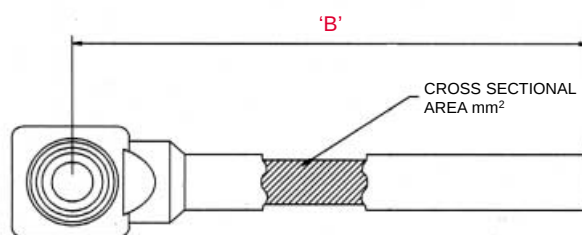
* Applicable to 48V circuit B battery layout

DIN CONNECTOR CROSS SECTION AREA mm ²						
	DWAF	DWBF	DWCF	LDWEF	DWEF	DWFF
5 PLATE	35	35	35	35	35	35
7 PLATE	35	35	35	35	35	50
9 PLATE	35	35	50	50	50	50
11 PLATE	35	50	50	50	50	70
13 PLATE	50	50	50	70	70	70
15 PLATE	50	50	70	70	70	70
17 PLATE	50	70	70	70	70	95
19 PLATE	50	70	70	95	95	95
21 PLATE	50	70	70	95	95	95

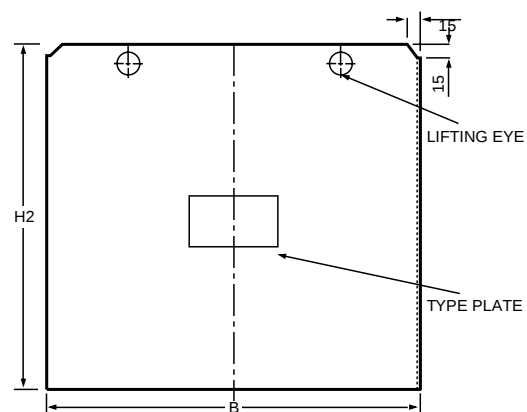
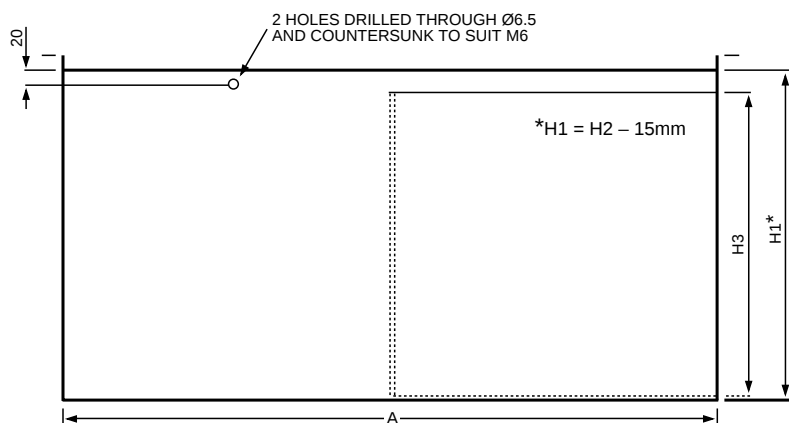
TAKE OFF CONNECTORS CATALOG NUMBER					
APPLICATION	CABLE LENGTH 'B' mm	CROSS SECTION AREA			
		35mm ²	50mm ²	70mm ²	95mm ²
TAKE OFF	1600	CB 312	CB 330	CB 345	CB 356
TAKE OFF	2000	CB 359	CB 331	CB 346	CB 357



INTERCELL CONNECTORS



TAKE-OFF CONNECTORS



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