








# **Ferrites and accessories**

## **Selector guide**

Date: September 2006

## Selector guide

### RM cores

Core type	Standards	Mounting dimensions (mm) of assembly set Base area × H <sup>1)</sup>	Individual parts of assembly set	Part number	Page (Data book)
RM 4	IEC 62317-4	10.16 <sup>2</sup> × 10.8	Core	B65803	194
			Coil former	B65804	196
			Insulating washers	B65804	197
			Clamp	B65806	197
			Adjusting screws	B65539/ B65806	198
RM 4 LP	IEC 62317-4	14 × 17.5 × 8.1	Core	B65803	199
			Clamp	B65804	200
			Insulating washers	B65804	200
			Coil former/Clamp 	B65804	201
RM 5	IEC 62317-4	12.7 <sup>2</sup> × 10.8	Core	B65805	203
			Coil former	B65806	205
			Clamp	B65806	206
		16.5 × 19 × 10.6	Insulating washers	B65806	206
			Coil former 	B65822	207, 208
			Clamp 	B65806	207, 208
			Adjusting screws	B65539/ B65806	209
RM 5 LP	IEC 62317-4	20 × 16 × 8	Core	B65805	210
RM 6	IEC 62317-4	15.24 <sup>2</sup> × 12.8	Core	B65807	212
			Coil former	B65808	214, 215
		19.5 × 25 × 12.8	Coil former for SMPS transf.	B65808	216
			Coil former for power appl.	B65808	217
		19.6 × 22.2 × 13	Clamp/Insulating washers	B65808	218
			Coil former 	B65821	219
19.6 × 22.2 × 13	Clamp 	B65808	219		
	Adjusting screws	B65659	220		
RM 6 LP	IEC 62317-4		Core	B65807	221

1) Height above mounting plane

## Selector guide

### RM cores (continued)

Core type	Standards	Mounting dimensions (mm) of assembly set Base area × H <sup>1)</sup>	Individual parts of assembly set	Part number	Page
RM 7	IEC 62317-4	17.78 <sup>2</sup> × 13.8	Core	B65819	223
			Coil former	B65820	224
			Clamp/Insulating washers	B65820	225
			Adjusting screws	B65659	226
RM 7 LP	IEC 62317-4		Core	B65819	227
RM 8	IEC 62317-4	20.32 <sup>2</sup> × 16.8  26 × 30 × 16.8	Core	B65811	229
			Coil former	B65812	231, 232
			Coil former for SMPS transf.	B65812	233
			Coil former for power appl.	B65812	234
			Clamp/Insulating washers	B65812	235
			Adjusting screw	B65812	236
RM 8 LP	IEC 62317-4		Core	B65811	237
			Clamp/Insulating washers	B65812	238
RM 10	IEC 62317-4	25.4 <sup>2</sup> × 19  31 × 40 × 19	Core	B65813	240
			Coil former	B65814	242
			Coil former for power appl.	B65814	243
			Clamp/Insulating washers	B65814	244
			Adjusting screws	B65679	245
RM 10 LP	IEC 62317-4		Core	B65813	246
RM 12	IEC 62317-4	30.48 <sup>2</sup> × 24.9  32 × 45.7 × 24.9	Core	B65815	248
			Coil former	B65816	249
			Coil former for power appl.	B65816	250
			Clamp	B65816	251
RM 12 LP	IEC 62317-4		Core	B65815	252
RM 14	IEC 62317-4	35.56 <sup>2</sup> × 30.5  44 × 29 × 30.5	Core	B65887	254
			Coil former	B65888	255
			Coil former for power appl.	B65888	256
			Clamp/Insulating washer	B65888	257
RM 14 LP	IEC 62317-4		Core	B65887	258




1) Height above mounting plane

**PM cores**

Core type	Standards	Mounting dimensions (mm) of assembly set Base area × H <sup>1)</sup>	Individual parts of assembly set	Part number	Page (Data book)
PM 50/39	IEC 61247	65 × 52 × 45	Core	B65646	261
			Coil former	B65647	262
			Mounting assembly	B65647	263
PM 62/49	IEC 61247	76 × 64 × 55	Core	B65684	264
			Coil former	B65685	265
			Mounting assembly	B65685	266
PM 74/59	IEC 61247	85.5 × 75 × 65	Core	B65686	267
			Coil former	B65687	268
			Mounting assembly	B65687	269
PM 87/70	IEC 61247	101 × 87 × 72	Core	B65713	270
			Coil former	B65714	271
PM 114/93	IEC 61247	114 × 92 × 93	Core	B65733	272
			Coil former	B65734	273

1) Height above mounting plane


**EP cores**

Core type	Standards	Mounting dimensions (mm) of assembly set Base area × H <sup>1)</sup>	Individual parts of assembly set	Part number	Page (Data book)
EP 5			Core	B65855A	276
EP 6			Core	B65855B	277
EP 7	IEC 61596	7.5 × 10 × 10 13 × 9.2 × 8.8	Core	B65839	278
			Coil former/Cap yoke	B65840	280
			Coil former 	B65840	281
EPX 7/9		12.6 × 9.4 × 12.4	Core	B65857A	282
			Coil former 	B65858	284
EPX 9/9		12.6 × 9.4 × 12.2	Core	B65857C	285
			Coil former 	B65852	287
EP 10	IEC 61596	12 × 14.2 × 12.5	Core	B65841	288
			Coil former	B65842	290
			Mounting assembly	B65842	291
EPX 10			Core	B65859	292
EP 13	IEC 61596	15 × 16 × 13.7 15 × 16 × 13.7	Core	B65843A	293
			Coil former	B65844	295
			Coil former for high-voltage applications	B65844	296
			Mounting assembly	B65844	297
EPO 13	—	15 × 16 × 13.7 15 × 16 × 13.7	Core	B65843P	298
			Coil former	B65844	299
			Coil former for high-voltage applications	B65844	300
EP 17	IEC 61596	20 × 21.6 × 16.2	Core	B65845	301
			Coil former	B65846	302
			Mounting assembly	B65846	303
EP 20	IEC 61596	23 × 27.5 × 20.5	Core	B65847	304
			Coil former	B65848	305
			Mounting assembly	B65848	306

1) Height above mounting plane

## Selector guide

### P cores (pot cores)

Core type	Standards	Mounting dimensions (mm) of assembly set Base area × H <sup>1)</sup>	Individual parts of assembly set	Part number	Page (Data book)
P 3.3 × 2.6	IEC 62323		Core	B65491	308
P 4.6 × 4.1			Core	B65495	309
P 5.8 × 3.3	IEC 62323		Core	B65501	310
P 7 × 4		7.5 × 7.5 × 7.1	Core	B65511	312
			Coil former	B65512	313
			Mounting assembly	B65512	314
P 9 × 5	IEC 60133	9.9 × 9.9 × 8.3 (4 solder terminals) 9.9 × 12.3 × 8.3 (6 solder terminals) 12.2 × 17 × 6.0	Core	B65517	316
			Coil former/Insulating washer	B65522	317
			Coil former 	B65524	318
			Mounting assembly	B65518	319
P 11 × 7	IEC 60133	12.3 × 12.3 × 9.5 (4 solder terminals) 12.3 × 14.6 × 9.5 (8 solder terminals)	Core	B65531	321
			Coil former	B65532	322
			Mounting assembly	B65535	323
			Adjusting screws	B65539 B65806	324
P 14 × 8	IEC 60133	16.8 × 15 × 11.3 (4 solder terminals) 16.8 × 19.6 × 11.3 (6 solder terminals)	Core	B65541	326
			Coil former/Insulating washer	B65542	327
			Mounting assembly	B65545	328
			Adjusting screws	B65549	329
P 18 × 11	IEC 60133	19.9 × 20.7 × 13.5	Core	B65651	331
			Coil former/Insulating washer	B65652	332
			Mounting assembly	B65655	333
			Adjusting screws	B65659	334

1) Height above mounting plane

**P cores (pot cores) (continued)**

Core type	Standards	Mounting dimensions (mm) of assembly set Base area × H <sup>1)</sup>	Individual parts of assembly set	Part number	Page
P 22 × 13	IEC 60133	24.5 × 26 × 16.6	Core	B65661	336
			Coil former/Insulating washer	B65662	337
			Adjusting screw	B65812	338
P 26 × 16	IEC 60133	27.8 × 28.5 × 19	Core	B65671	340
			Coil former/Insulating washer	B65672	341
			Mounting assembly	B65675	342
			Adjusting screws	B65679	343
P 30 × 19	IEC 60133	32.5 × 33.5 × 22.8	Core	B65701	345
			Coil former/Insulating washer	B65702	346
			Mounting assembly	B65705	347
			Adjusting screws	B65679	348
P 36 × 22		40 × 41.8 × 27.5	Core	B65611	350
			Coil former/Insulating washer	B65612	351
			Mounting assembly	B65615	352
			Adjusting screws	B65679	353
P 41 × 25			Core	B65621	355
			Mounting assembly	B65623	356




1) Height above mounting plane

**P core halves and PS cores**

Core type ( $\varnothing$ × height)	Standards	Material	Individual parts of assembly set	Part number	Page (Data book)
PS 7.35 × 3.6	IEC 62323	N22, M33	Core	B65933	358
			Coil former	B65512	358
PS 9 × 3.5	IEC 62323	N22, M33	Core	B65935	359
			Coil former	B65936	359
14 × 7.5		N22	Core	B65937	360
			Coil former	B65542	360
PS 25 × 8.9	IEC 62323	N22	Core	B65939	361
			Coil former	B65940	361
PS 30.5 × 10.2	IEC 62323	N22	Core	B65941	362
			Coil former	B65942	362
PS 35 × 10.8	IEC 62323	N22	Core	B65947	363
PS 47 × 14.9	IEC 62323	N22	Core	B65943	364
PS 68 × 14.5	IEC 62323	N22	Core	B65928	365
			Coil former	B65946	365
70 × 14.5		N22	Core	B65945	366
			Coil former	B65946	366
150 × 30		N27	Core	B65949	367

## Selector guide

### E cores

Core type <sup>1)</sup>	Standards	Mounting dimensions (mm) of assembly set L × W × H <sup>2)</sup>	Individual parts of assembly set	Part number	Page (Data book)
E 5	IEC 61246		Core	B66303	374
E 6.3	IEC 61246	9 × 8 × 5.7	Core Coil former/Cover cap 	B66300 B66301	375 376
E 8.8	IEC 61246	10 × 12.5 × 5.5	Core Coil former/Cover cap 	B66302 B66302	377 378
E 10/5.5/5			Core	B66322	379
E 13/7/4 (EF 12.6)	IEC 61246	15 × 17 × 12 10 × 15 × 17  13.5 × 19.5 × 9.3	Core Coil former (horizontal) Coil former (vertical) Yoke Coil former  Cover plate	B66305 B66202 B66202 B66202 B66306 B66414	380 382 383 383 384 385
E 14/8/4			Core	B66219	386
E 16/6/5			Core	B66393	387
E 16/8/5 (EF 16)	IEC 61246	18 × 20 × 14 11 × 18 × 20	Core Coil former (horizontal) Coil former (vertical) Yoke	B66307 B66308 B66308 B66308	388 390 391 391
E 19/8/5 E 187 <sup>3)</sup>			Core	B66379	392
E 20/10/6 (EF 20)	IEC 61246	22 × 22 × 17 15 × 22 × 24 24 × 21.5 × 14  15 × 22 × 24	Core Coil former (horizontal) Coil former (vertical) Coil former (right-angle pins) Yoke Coil former for luminaires Yoke	B66311 B66206 B66206 B66206 B66206 B66206 B66206	393 395 395 396 397 398 398
E 21/9/5			Core	B66314	399
E 25/13/7 (EF 25)	IEC 61246	28 × 28 × 21 18 × 28 × 29  19 × 26 × 30	Core Coil former (horizontal) Coil former (vertical) Yoke Coil former for SMPS Yoke	B66317 B66208 B66208 B66208 B66208 B66208	400 402 403 403 404 404

1) The E core designations have been brought into line with IEC; the previous designations are given in parentheses.

2) Height above mounting plane

3) US designation (size based on U.S. lam. size E cores)

## Selector guide

### E cores (continued)

Core type <sup>1)</sup>	Standards	Mounting dimensions (mm) of assembly set L × W × H <sup>2)</sup>	Individual parts of assembly set	Part number	Page
E 25.4/10/7 E 2425 <sup>3)</sup>			Core	B66315	405
E 30/15/7		36 × 36 × 12 19 × 36 × 36	Core Coil former (horizontal) Coil former (vertical) Yoke	B66319 B66232 B66232 B66232	406 407 408 408
E 32/16/9 (EF 32)	IEC 61246	35 × 37 × 24	Core Coil former Yoke	B66229 B66230 B66230	409 410 410
E 32/16/11			Core	B66233	411
E 34/14/9 E 375 <sup>3)</sup>			Core	B66370	412
E 36/18/11		39 × 38 × 31	Core Coil former	B66389 B66390	413 414
E 40/16/12 E 21 <sup>3)</sup>			Core	B66381	415
E 42/21/15	IEC 61246		Core	B66325	416
E 42/21/20	IEC 61246	38 × 46 × 52	Core Coil former	B66329 B66243	417 418, 419
E 47/20/16 E 625 <sup>3)</sup>			Core	B66383	420
E 55/28/21	IEC 61246		Core	B66335	421
E 55/28/25			Core	B66344	422
E 56/24/19 E 75 <sup>3)</sup>			Core	B66385	423
E 65/32/27			Core	B66387	424
E 70/33/32			Core	B66371	425
E 80/38/20			Core	B66375	426

- 1) The E core designations have been brought into line with IEC; the previous designations are given in parentheses.  
 2) Height above mounting plane  
 3) US designation (size based on U.S. lam. size E cores)

## Selector guide

### ELP cores



Core set	Standards	Core types	Individual parts of assembly set	Part number		Page (Data book)
				with clamp recess	w/o clamp recess	
EELP 14	IEC 62317-9	ELP 14/3.5/5	ELP core		B66281G	428
EILP 14	IEC 62317-9	I 14/1.5/5 (+ ELP 14/3.5/5)	I core		B66281P	429
EELP 18	IEC 62317-9	ELP 18/4/10	ELP core	B66283G	B66453G	430, 432
			Clamp	B65804		430
EILP 18	IEC 62317-9	I 18/2/10 (+ ELP 18/4/10)	I core	B66283P	B66453P	431, 433
			Clamp	B66284		431
EELP 22	IEC 62317-9	ELP 22/6/16	ELP core	B66285G	B66455G	434, 436
EILP 22	IEC 62317-9	I 22/2.5/16 (+ ELP 22/6/16)	I core	B66285P	B66455P	435, 437
			Clamp	B65804		435
EELP 32	IEC 62317-9	ELP 32/6/20	ELP core	B66287G	B66457G	438, 440
			Clamp	B65808		438
EILP 32	IEC 62317-9	I 32/3/20 (+ ELP 32/6/20)	I core	B66287P	B66457P	439, 441
EELP 38	IEC 62317-9	ELP 38/8/25	ELP core	B66289G	B66459G	442, 444
EILP 38	IEC 62317-9	I 38/4/25 (+ ELP 38/8/25)	I core	B66289P	B66459P	443, 445
EELP 43	IEC 62317-9	ELP 43/10/28	ELP core	B66291G	B66461G	446, 448
EILP 43	IEC 62317-9	I 43/4/28 (+ ELP 43/10/28)	I core	B66291P	B66461P	447, 449
EELP 58	IEC 62317-9	ELP 58/11/38	ELP core		B66293G	450
EILP 58	IEC 62317-9	I 58/4/38 (+ ELP 58/11/38)	I core		B66293P	451
EELP 64	IEC 62317-9	ELP 64/10/50	ELP core		B66295G	452
EILP 64	IEC 62317-9	I 64/5/50 (+ ELP 64/10/50)	I core		B66295P	453

**EQ cores**

Core set	Standards	Core types	Individual parts of assembly set	Part number	Page (Data book)
EEQ 13	IEC 62317-9	EQ 13/2.85/9	Core	B66479	455
EIQ 13	IEC 62317-9	EQ 13/2.85/9 + I 13/1/9	EQ core I core	B66479G B66479P	456 456
EEQ 20	IEC 62317-9	EQ 20/6.3/14	Core	B66483	457
EIQ 20	IEC 62317-9	EQ 20/6.3/14 + I 20/2.3/14	EQ core I core	B66483G B66483P	458 458
EEQ 25	IEC 62317-9	EQ 25/8/18	Core	B66481	459
EIQ 25	IEC 62317-9	EQ 25/8/18 + I 25/2.3/18	EQ core I core	B66481G B66481P	460 460
EEQ 30	IEC 62317-9	EQ 30/8/20	Core	B66506	461
EIQ 30	IEC 62317-9	EQ 30/8/20 + I 30/2.7/20	EQ core I core	B66506G B66506P	462 462

## Selector guide

### ER planar cores

Core types	Standards	Mounting dimensions (mm) of assembly set L × W × H <sup>1)</sup>	Individual parts of assembly set	Part number	Page (Data book)
ER 9.5/5	IEC 62317-9	12 × 10 × 5.7	Core	B65523	464
			Coil former 	B65527	465
			Yoke	B65527	465
ER 11/5	IEC 62317-9	12.8 × 11.7 × 6	Core	B65525	466
			Coil former 	B65526	467
			Yoke	B65526	467
ER 14.5/6	IEC 62317-9		Core	B65513	468
ER 18/3/10	IEC 62317-9		Core	B66480	469
ER 23/5/13	IEC 62317-9		Core	B66482	470
ER 23/5/13 + I 23/2/13	IEC 62317-9		ER core	B66482G	471
			I core	B66482P	471
ER 25/6/15	IEC 62317-9		Core	B66484	472
ER 25/6/15 + I 25/3/15	IEC 62317-9		ER core	B66484G	473
			I core	B66484P	473
ER 32/5/21	IEC 62317-9		Core	B66501	474

### ER cores

Core types	Standards	Mounting dimensions (mm) of assembly set L × W × H <sup>1)</sup>	Individual parts of assembly set	Part number	Page
ER 28/17/11	IEC 62317-7		Core	B66433	476
ER 35/20/11	IEC 62317-7		Core	B66350	477
ER 42/22/15		33 × 46 × 55	Core	B66347	478
			Coil former	B66348	479
ER 46/17/18			Core	B66377	480
ER 49/27/17	IEC 62317-7		Core	B66391	481
ER 54/18/18			Core	B66357	482

1) Height above mounting plane

**ETD cores**

Core type	Standards	Mounting dimensions (mm) of assembly set L × W × H <sup>1)</sup>	Individual parts of assembly set	Part number	Page (Data book)
ETD 29/16/10	IEC 61185	35.5 × 35.5 × 25.5 24 × 35.5 × 41.2	Core	B66358	484
			Coil former (horizontal)	B66359	486
			Coil former (vertical)	B66359	487
			Yoke	B66359	486, 487
ETD 34/17/11	IEC 61185	43 × 40 × 35 27.5 × 40 × 46	Core	B66361	488
			Coil former (horizontal)	B66362	490
			Coil former (vertical)	B66362	491
			Yoke	B66362	490, 491
ETD 39/20/13	IEC 61185	48 × 45 × 38	Core	B66363	492
			Coil former/Yoke	B66364	494
ETD 44/22/15	IEC 61185	53 × 50 × 41	Core	B66365	495
			Coil former/Yoke	B66366	497
ETD 49/25/16	IEC 61185	58 × 55 × 43.5	Core	B66367	498
			Coil former/Yoke	B66368	500
ETD 54/28/19	IEC 61185	62 × 62 × 47	Core	B66395	501
			Coil former/Yoke	B66396	503
ETD 59/31/22	IEC 61185	67 × 71 × 50	Core	B66397	504
			Coil former/Yoke	B66398	506

1) Height above mounting plane

## Selector guide

### EFD, EV cores

Core type	Mounting dimensions (mm) of assembly set (L × W × H <sup>1)</sup> )	Individual parts of assembly set	Part number	Page (Data book)
-----------	--	----------------------------------	-------------	------------------

#### EFD cores

EFD 10/5/3		Core	B66411	508
EFD 15/8/5	19.3 × 17 × 8 21 × 16 × 8	Core	B66413	509
		Coil former/Yoke	B66414	510
		Coil former/Yoke <b>SMD</b>	B66414	511
		Cover plate	B66414	511
EFD 20/10/7	24.3 × 22 × 10	Core	B66417	512
		Coil former/Yoke	B66418	513
EFD 25/13/9	29.3 × 27.3 × 12.5	Core	B66421	514
		Coil former/Yoke	B66422	515
EFD 30/15/9	34.4 × 32.5 × 12.5	Core	B66423	516
		Coil former/Yoke	B66424	517

#### EV cores

EV 15/9/7		Core	B66434	518
EV 25/13/13		Core	B66408	519
EV 30/16/13		Core	B66432	520

1) Height above mounting plane

## Selector guide

### U, UI cores

Core set	Core types	Part number	Page
UU 93/152/16 UI 93/104/16	U 93/76/16 I 93/28/16 (+ U 93/76/16)	B67345B0003 B67345B0004	522
UU 93/152/20 UI 93/104/20	U 93/76/20 I 93/28/20 (+ U 93/76/20)	B67345B0010 B67345B0011	523
UU 93/152/30 UI 93/104/30	U 93/76/30 I 93/28/30 (+ U 93/76/30)	B67345B0001 B67345B0002	524
	U 101/76/30	B67370	525
UU 126/182/20 UI 126/119/20	U 126/91/20 I 126/28/20 (+ U 126/91/20)	B67385G B67385P	526
	U 141/78/30	B67374	527

### Toroids (ring cores)

Toroids R 2.5 ... R 202	Technical report IEC/TR 61604	B64290	532
----------------------------	----------------------------------	--------	-----

### Double-aperture cores

Core height 2.0 ... 14.5 mm	6.2; 8.3 and 14.5: DIN 41279, shape G	B62152	558
--------------------------------	--	--------	-----

### FPC film

Material	Part number	Page
C 350, C 351	B68450, B68451, B68452	559