

# Ferrites and accessories

Selector guide

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#### **RM** cores

Core type	Standards	Mounting dimensions (mm) of assembly set Base area × H 1)	Individual parts of assembly set	Part number
RM 4	IEC 63093-4		Core	B65803
		$10.16^2 \times 10.8$	Coil former	B65804
			Clamp	B65806
			Insulating washers	B65804
			Adjusting screws	B65539/
				B65806
RM 4 LP	IEC 63093-4		Core	B65803
			Coil former	B65804
			Insulating washers	B65804
		$14\times17.5\times8.1$	Coil former/Clamp	B65804
RM 5	IEC 63093-4		Core	B65805
		$12.7^2 \times 10.8$	Coil former	B65806
			Clamp	B65806
			Insulating washers	B65806
		$16.5\times19\times10.6$	Coil former	B65822
			Clamp	B65806
			Adjusting screws	B65539/
				B65806/
				B65518
RM 5 LP	IEC 63093-4	$20 \times 16 \times 8$	Core	B65805
RM 6	IEC 63093-4		Core	B65807
		$15.24^2 \times 12.8$	Coil former	B65808
			Coil former for SMPS transf.	B65808
		$19.5\times25\times12.8$	Coil former for power appl.	B65808
			Clamp/Insulating washers	B65808
		19.6 × 22.2 × 13	Coil former	B65821
			Clamp	B65808
			Adjusting screws	B65659
RM 6 LP	IEC 63093-4		Core	B65807
RM 7	IEC 63093-4		Core	B65819
		$17.78^2 \times 13.8$	Coil former	B65820
			Clamp/Insulating washers	B65820
			Adjusting screws	B65659
RM 7 LP	IEC 63093-4		Core	B65819

<sup>1)</sup> Height above mounting plane



## RM cores (continued)

Core type	Standards	Mounting dimensions (mm) of assembly set Base area × H 1)	Individual parts of assembly set	Part number
RM 8	IEC 63093-4		Core	B65811
		$20.32^2 \times 16.8$	Coil former	B65812
			Coil former for SMPS transf.	B65812
		$26 \times 30 \times 16.8$	Coil former for power appl.	B65812
			Clamp/Insulating washers	B65812
			Adjusting screw	B65812
RM 8 LP	IEC 63093-4		Core	B65811
			Clamp/Insulating washers	B65812
RM 10	IEC 63093-4		Core	B65813
		$25.4^2 \times 19$	Coil former	B65814
		31 × 40 × 19	Coil former for power appl.	B65814
			Clamp/Insulating washers	B65814
			Adjusting screws	B65679
RM 10 LP	IEC 63093-4		Core	B65813
RM 12			Core	B65815
		$30.48^2 \times 24.9$	Coil former	B65816
		$32\times45.7\times24.9$	Coil former for power appl.	B65816
			Clamp	B65816
RM 12 LP			Core	B65815
RM 14	IEC 63093-4		Core	B65887
		$35.56^2 \times 30.5$	Coil former	B65888
		$44\times29\times30.5$	Coil former for power appl.	B65888
			Clamp/Insulating washer	B65888
RM 14 LP	IEC 63093-4		Core	B65887

<sup>1)</sup> Height above mounting plane



#### **PQ** cores

Core type	Standards	Mounting dimensions (mm) of assembly set Base area × H 1)	Individual parts of assembly set	Part number
PQ 16/11.6	IEC 63093-13		Core	B65885A
PQ 20/16	IEC 63093-13		Core	B65875B
PQ 20/20	IEC 63093-13		Core	B65875A
PQ 26/20	IEC 63093-13		Core	B65877B
		$27\times30\times25.2$	Coil former	B65878E
PQ 26/25	IEC 63093-13		Core	B65877A
		$27\times30\times29.3$	Coil former	B65878E
PQ 32/20	IEC 63093-13		Core	B65879A
		$32.3\times34.3\times20.2$	Coil former	B65880E
PQ 32/30	IEC 63093-13		Core	B65879B
		$33.2\times34.7\times33.1$	Coil former	B65880E
PQ 35/35	IEC 63093-13		Core	B65881A
			Coil former	B65882B
PQ 40/30			Core	B65883B
PQ 40/40			Core	B65883A
		$40.3\times42.3\times45.3$	Coil former	B65884E
PQ 50/40			Core	B65981B
PQ 50/50	IEC 63093-13		Core	B65981A
		51.3 × 51.9 × 52.5	Coil former	B65982E
PQ 65/60			Core	B65982A
			Coil former	B65983E
PQ cores with	n distributed air ga	ар		
PQ 32/30DG			Core	B65879Q
			Coil former	B65880E
PQ 35/35DG			Core	B65881Q
			Coil former	B65882B
PQ 50/50DG			Core	B65981Q
			Coil former	B65982E
PQ 65/60DG			Core	B65982Q
			Coil former	B65983E

<sup>1)</sup> Height above mounting plane



#### **PM** cores

Core type	Standards	Mounting dimensions (mm) of assembly set Base area × H 1)	Individual parts of assembly set	Part number
PM 50/39	IEC 63093-10		Core	B65646
		65 × 52 × 45	Coil former	B65647
			Mounting assembly	B65647
PM 62/49	IEC 63093-10		Core	B65684
		$76 \times 64 \times 55$	Coil former	B65685
			Mounting assembly	B65685
PM 74/59	IEC 63093-10		Core	B65686
		85.5 × 75 × 65	Coil former	B65687
			Mounting assembly	B65687
PM 87/70	IEC 63093-10		Core	B65713
		101 × 87 × 72	Coil former	B65714
PM 114/93	IEC 63093-10		Core	B65733
		114 × 92 × 93	Coil former	B65734

<sup>1)</sup> Height above mounting plane



#### **EP** cores

Core type	Standards	Mounting dimensions (mm) of assembly set Base area × H 1)	Individual parts of assembly set	Part number
EP 5			Core	B65855A
EP 6			Core	B65855B
EP 7	IEC 63093-5		Core	B65839
		$7.5 \times 10 \times 10$	Coil former	B65840
		$13\times 9.2\times 8.8$	Coil former	B65840
EPX 7/9		$12.6\times9.4\times12.4$	Core	B65857A
EP 9			Core	B65839B
EPX 9/9			Core	B65857C
EP 10	IEC 63093-5		Core	B65841
		$12\times14.2\times12.5$	Coil former	B65842
			Mounting assembly	B65842
EPX 10			Core	B65859
EP 13	IEC 63093-5		Core	B65843A
		$15 \times 16 \times 13.7$	Coil former	B65844
		$15 \times 16 \times 13.7$	Coil former for high-voltage	
			applications	B65844
			Mounting assembly	B65844
EPO 13			Core	B65843P
		$15 \times 16 \times 13.7$	Coil former	B65844
		15 × 16 × 13.7	Coil former for high-voltage applications	B65844
EP 17			Core	B65845
		20 × 21.6 × 16.2	Coil former	B65846
			Mounting assembly	B65846
EP 20	IEC 63093-5		Core	B65847
		23 × 27.5 × 20.5	Coil former	B65848
			Mounting assembly	B65848

<sup>1)</sup> Height above mounting plane



## 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
P 3.3 × 2.6			Core	B65491
P 4.6 × 4.1			Core	B65495
P 5.8 × 3.3			Core	B65501
P 7 × 4			Core	B65511
		$7.5 \times 7.5 \times 7.1$	Coil former	B65512
			Mounting assembly	B65512
P 9 × 5	IEC 63093-2		Core	B65517
		$9.9 \times 9.9 \times 8.3$ (4 solder terminals)	Coil former	B65522
		$9.9 \times 12.3 \times 8.3$ (6 solder terminals)		
		$12.2\times17\times6.0$	Coil former	B65524
			Mounting assembly	B65518
P 11 × 7	IEC 63093-2		Core	B65531
			Coil former	B65532
		$12.3 \times 12.3 \times 9.5$ (4 solder terminals)	Mounting assembly	B65535
		$12.3 \times 14.6 \times 9.5$ (8 solder terminals)		
			Adjusting screws	B65539 B65806
P 14 × 8	IEC 63093-2		Core	B65541
		$16.8 \times 15 \times 11.3$ (4 solder terminals)	Coil former	B65542
		16.8 × 19.6 × 11.3 (6 solder terminals)	Mounting assembly	B65545
		·	Adjusting screws	B65549
P 18 × 11	IEC 63093-2		Core	B65651
		19.9 × 20.7 × 13.5	Coil former	B65652
			Mounting assembly	B65655
			Adjusting screws	B65659

<sup>1)</sup> 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
P 22 × 13	IEC 63093-2		Core	B65661
		$24.5\times26\times16.6$	Coil former	B65662
			Mounting assembly	B65665
			Adjusting screw	B65812
P 26 × 16	IEC 63093-2		Core	B65671
		27.8 × 28.5 × 19	Coil former	B65672
			Mounting assembly	B65675
			Adjusting screws	B65679
P 30 × 19	IEC 63093-2		Core	B65701
		$32.5\times33.5\times22.8$	Coil former	B65702
			Mounting assembly	B65705
			Adjusting screws	B65679
P 36 × 22			Core	B65611
		$40\times41.8\times27.5$	Coil former	B65612
			Mounting assembly	B65615
			Adjusting screws	B65679
P 41 × 25			Core	B65621
			Mounting assembly	B65623
P 47 × 28			Core	B65631
P 59 × 36			Core	B65691

<sup>1)</sup> Height above mounting plane



#### P core halves and PS cores

Core type $(\emptyset \times \text{height})$	Standards	Material	Individual parts of assembly set	Part number
PS 7.35 × 3.6		N22, M33	Core	B65933
			Coil former	B65512
PS 9 × 3.5		N22, M33	Core	B65935
			Coil former	B65936
PCH 14 × 7.5		N22	Core	B65937
			Coil former	B65542
PS 25 × 8.9	IEC 63093-3	N22	Core	B65939
			Coil former	B65940
PS 30.5 × 10.2		N22	Core	B65941
			Coil former	B65942
PS 35 × 10.8		N22	Core	B65947
PS 47 × 14.9		N22	Core	B65943
PS 68 × 14.5		N22	Core	B65928
			Coil former	B65946
PCH 70 × 14.5		N22	Core	B65945
			Coil former	B65946
PCH 150 × 30		N27	Core	B65949



#### 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
E 5	IEC 63093-8		Core	B66303
E 6.3	IEC 63093-8		Core	B66300
		$9 \times 8 \times 5.7$	Coil former/Cover cap	B66301
E 8.8	IEC 63093-8		Core	B66302
		10 × 12.5 × 5.5	Coil former/Cover cap	B66302
E 10/5.5/5			Core	B66322
E 12.6/6.5/6.3			Core	B66524
E 12.7/6/6			Core	B66492
E 13/6.5/3.7			Core	B66543
E 13/6/6.15			Core	B66536
E 13/7/4	IEC 63093-8		Core	B66305
(EF 12.6)		15 × 17 × 12	Coil former (horizontal)	B66202
		10 × 15 × 17	Coil former (vertical)	B66202
			Yoke	B66202
		$13.5 \times 19.5 \times 9.3$	Coil former	B66306
			Cover plate	B66414
E 14/8/4			Core	B66219
E 16/6/5			Core	B66393
E 16/7/5			Core	B66500
E 16/8/5	IEC 63093-8		Core	B66307
(EF 16)		18 × 20 × 14	Coil former (horizontal)	B66308
		11 × 18 × 20	Coil former (vertical)	B66308
			Yoke	B66308
E 16/8/8			Core	B66392
E 19/8/5			Core	B66379
E 20/9/6			Core	B66312
E 20/10/6	IEC 63093-8		Core	B66311
(EF 20)		22 × 22 × 17	Coil former (horizontal)	B66206
		15 × 22 × 24	Coil former (vertical)	B66206
		$24\times21.5\times14$	Coil former (right-angle pins)	B66206
			Yoke	B66206
		15 × 22 × 24	Coil former for luminaires	B66206
			Yoke	B66206
E 20/10/11			Core	B66310
E 21/9/5			Core	B66314
E 22/15/6			Core	B66486

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

<sup>2)</sup> Height above mounting plane



### 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
E 25/13/7	IEC 63093-8		Core	B66317
(EF 25)		28 × 28 × 21	Coil former (horizontal)	B66208
		18 × 28 × 29	Coil former (vertical)	B66208
			Yoke	B66208
		$19\times26\times30$	Coil former for SMPS	B66208
			Yoke	B66208
E 25.4/10/7			Core	B66315
E 28/10/11			Core	B66489
E 30/15/7			Core	B66319
		$36 \times 36 \times 12$	Coil former (horizontal)	B66232
		$19 \times 36 \times 36$	Coil former (vertical)	B66232
			Yoke	B66232
E 32/16/9	IEC 63093-8		Core	B66229
(EF 32)		$35 \times 37 \times 24$	Coil former	B66230
			Yoke	B66230
E 32/16/11			Core	B66233
		$35\times37\times24$	Coil former	B66230
			Yoke	B66230
E 34/14/9			Core	B66370
E 36/18/11			Core	B66389
		$39 \times 38 \times 31$	Coil former	B66390
E 40/16/12			Core	B66381
E 42/21/15	IEC 63093-8		Core	B66325
E 42/21/20	IEC 63093-8		Core	B66329
		$38 \times 46 \times 52$	Coil former	B66243
E 47/20/16			Core	B66383
E 55/28/21	IEC 63093-8		Core	B66335
			Coil former	B66252
E 55/28/25	IEC 63093-8		Core	B66344
-			Coil former	B66253
E 56/24/19			Core	B66385
E 65/32/27			Core	B66387
-		67 × 66 × 80	Coil former	B66388
E 70/33/32			Core	B66371
		$72 \times 66 \times 90$	Coil former	B66372

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

<sup>2)</sup> Height above mounting plane



### 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
E 80/38/20			Core	B66375
E 100/60/28			Core	B66894

#### E cores with distributed air gap

E32/16/9DG		Core	B66229Q
(EF 32)		Coil former	B66230Q
		Yoke	B66230Q
E 42/21/15DG		Core	B66325Q
E 42/21/20DG		Core	B66329Q
	$38\times46\times52$	Coil former	B66243
E 47/20/16DG		Core	B66383Q
E 55/28/21DG		Core	B66335Q
		Coil former	B66252
E 55/28/25DG		Core	B66344Q
		Coil former	B66253
E 65/32/27DG		Core	B66387Q
	$67 \times 66 \times 80$	Coil former	B66388
E 70/33/32DG		Core	B66371Q
	$72\times 66\times 90$	Coil former	B66372
E 80/38/20DG		Core	B66375Q

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

<sup>2)</sup> Height above mounting plane



#### **ELP cores**

Core set	ore set Standards Core types Individual parts of assembly set	Core types		Part number	Part number	
		with clamp recess	w/o clamp recess			
EELP 14	IEC 63093-9	ELP 14/3.5/5	ELP core		B66281G	
EILP 14	IEC 63093-9	I 14/1.5/5 (+ ELP 14/3.5/5)	I core		B66281K	
EELP 18	IEC 63093-9	ELP 18/4/10	ELP core	B66283G	B66453G	
			Clamp	B65804		
EILP 18	IEC 63093-9	I 18/2/10	I core	B66283K	B66453K	
		(+ ELP 18/4/10)	Clamp	B66284		
EELP 22	IEC 63093-9	ELP 22/6/16	ELP core	B66285G	B66455G	
			Clamp	B66286		
EILP 22	IEC 63093-9	I 22/2.5/16	I core	B66285K	B66455K	
		(+ ELP 22/6/16)	Clamp	B65804		
EELP 32	IEC 63093-9	ELP 32/6/20	ELP core	B66287G	B66457G	
			Clamp	B65808		
EILP 32	IEC 63093-9	I 32/3/20 (+ ELP 32/6/20)	I core	B66287K	B66457K	
			Clamp	B66288		
EELP 38	IEC 63093-9	ELP 38/8/25	ELP core	B66289G	B66459G	
EILP 38	IEC 63093-9	I 38/4/25 (+ ELP 38/8/25)	I core	B66289K	B66459K	
			Clamp	B66290		
EELP 43	IEC 63093-9	ELP 43/10/28	ELP core	B66291G	B66461G	
EILP 43	IEC 63093-9	I 43/4/28 (+ ELP 43/10/28)	I core	B66291K	B66461K	
EELP 58	IEC 63093-9	ELP 58/11/38	ELP core		B66293G	
EILP 58	IEC 63093-9	I 58/4/38 (+ ELP 58/11/38)	I core		B66293K	
EELP 64	IEC 63093-9	ELP 64/10/50	ELP core		B66295G	
EILP 64	IEC 63093-9	I 64/5/50 (+ ELP 64/10/50)	I core		B66295K	
EELP 102		ELP 102/20/38	ELP core		B66297G	
EILP 102		I 102/7/38 (+ ELP 102/20/38)	I core		B66297K	



#### **EQ** cores

Core set	Standards	Core types	Individual parts of assembly set	Part number
EEQ 13	IEC 63093-9	EQ 13/2.85/8.7	Core	B66479
EIQ 13	IEC 63093-9	EQ 13/2.85/8.7	EQ core	B66479G
		+ I 13/1/8.7	I core	B66479K
EEQ 20	IEC 63093-9	EQ 20/6.3/14	Core	B66483
EIQ 20	IEC 63093-9	EQ 20/6.3/14	EQ core	B66483G
		+ I 20/2.3/14	I core	B66483K
EEQ 25	IEC 63093-9	EQ 25/5.6/18	Core	B66481
EIQ 25	IEC 63093-9	EQ 25/5.6/18	EQ core	B66481G
		+ I 25/2.3/18	I core	B66481K
EEQ 30	IEC 63093-9	EQ 30/8/20	Core	B66506
EIQ 30	IEC 63093-9	EQ 30/8/20	EQ core	B66506G
		+ I 30/2.7/20	I core	B66506K



## **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
ER 9.5/5	IEC 63093-9		Core	B65523
		$12\times10\times5.7$	Coil former	B65527
			Yoke	B65527
ER 11/5	IEC 63093-9		Core	B65525
		$12.8\times11.7\times6$	Coil former	B65526
			Yoke	B65526
ER 14.5/6	IEC 63093-9		Core	B65513
			Yoke	B65514
ER 18/3/10			Core	B66480
ER 23/5/13	IEC 63093-9		Core	B66482
ER 23/5/13	IEC 63093-9		ER core	B66482G
+ I 23/2/13			I core	B66482K
ER 25/6/15	IEC 63093-9		Core	B66484
ER 25/6/15	IEC 63093-9		ER core	B66484G
+ I 25/3/15			I core	B66484K
ER 32/5/21	IEC 63093-9		Core	B66501

#### **ER** cores

Core types	Standards	Mounting dimensions (mm) of assembly set L × W × H1)	Individual parts of assembly set	Part number
ER 28/17/11			Core	B66433
ER 35/20/11	IEC 63093-7		Core	B66350
ER 42/22/15			Core	B66347
ER 46/17/18			Core	B66377
ER 49/27/17			Core	B66391
ER 54/18/18			Core	B66357

<sup>1)</sup> 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
ETD 29/16/10	IEC 63093-6		Core	B66358
		$35.5 \times 35.5 \times 25.5$	Coil former (horizontal)	B66359
		$24\times35.5\times41.2$	Coil former (vertical)	B66359
			Yoke	B66359
ETD 34/17/11	IEC 63093-6		Core	B66361
		$43\times40\times35$	Coil former (horizontal)	B66362
		$27.5\times40\times46$	Coil former (vertical)	B66362
			Yoke	B66362
ETD 39/20/13	IEC 63093-6		Core	B66363
		$48\times45\times38$	Coil former/Yoke	B66364
ETD 44/22/15	IEC 63093-6		Core	B66365
		$53\times50\times41$	Coil former/Yoke	B66366
ETD 49/25/16	IEC 63093-6		Core	B66367
		$58\times55\times43.5$	Coil former/Yoke	B66368
ETD 54/28/19	IEC 63093-6		Core	B66395
		$62\times62\times47$	Coil former/Yoke	B66396
ETD 59/31/22	IEC 63093-6		Core	B66397
		67 × 71 × 50	Coil former/Yoke	B66398
ETD cores with d	istributed air ga	р		
ETD 39/20/13DG			Core	B66363Q
		$48\times45\times38$	Coil former/Yoke	B66364
ETD 49/25/16DG			Core	B66367Q
		$58\times55\times43.5$	Coil former/Yoke	B66368
ETD 59/31/22DG			Core	B66397Q
		$67\times71\times50$	Coil former/Yoke	B66398

<sup>1)</sup> Height above mounting plane



## **EFD**, **EV** cores

Core type	Standards	Mounting dimensions (mm) of assembly set L × W × H 1)	Individual parts of assembly set	Part number
EFD cores				
EFD 10/5/3	IEC 63093-14		Core	B66411
EFD 15/8/5	IEC 63093-14		Core	B66413
		$19.3 \times 17 \times 8$	Coil former/Yoke	B66414
		21 × 16 × 8	Coil former/Yoke	B66414
			Cover plate	B66414
EFD 20/10/7	IEC 63093-14		Core	B66417
		24.3 × 22 × 10	Coil former/Yoke	B66418
EFD 25/13/9	IEC 63093-14		Core	B66421
		29.3 × 27.3 × 12.5	Coil former/Yoke	B66422
EFD 30/15/9	IEC 63093-14		Core	B66423
		$34.4 \times 32.5 \times 12.5$	Coil former/Yoke	B66424
EV cores				
EV 15/9/7			Core	B66434
			Coil former	B66456
EV 25/13/13			Core	B66408
EV 30/16/13			Core	B66432
			Coil former	B66298
EV 36/19/16			Core	B66567
			Coil former	B66568

<sup>1)</sup> Height above mounting plane



### U, UI cores

Core set	Core types	Part number
UU 11/18/6	U 11/9/6	B67366
UU 15/22/6	U 15/11/6	B67350
UU 17/24/7	U 17/12/7	B67364
UU 20/32/7	U 20/16/7	B67348
UU 25/40/13	U 25/20/13	B67352
UU 26/44/16	U 26/22/16	B67355
UU 30/52/26	U 30/26/26	B67362
UU 93/152/16 UI 93/104/16	U 93/76/16 I 93/28/16 (+ U 93/76/16)	B67345B0003 B67345B0004
UU 93/152/20 UI 93/104/20	U 93/76/20 I 93/28/20 (+ U 93/76/20)	B67345B0010 B67345B0011
UU 93/152/30 UI 93/104/30	U 93/76/30 I 93/28/30 (+ U 93/76/30)	B67345B0001 B67345B0002
UU 101/152/30	U 101/76/30	B67370
UU 126/182/20 UI 126/119/20	U 126/91/20 I 126/28/20 (+ U 126/91/20)	B67385G B67385P
UU 141/156/30	U 141/78/30	B67374
Ferrite blocks		B67345 B67410
Impeder cores		

### **Toroids (ring cores)**

Toroids	IEC 63093-12	B64290
R 2.5 R 202		

### **Double-aperture cores**

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



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#### Important notes

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