

FIBOX
Enclosing innovations

EK



COMPLETE MODULAR ENCLOSURES (IP65)

	Symbol	Code	Description	Dimensions	
DIN-rail enclosures	JBL12-1 DIN-rail encl.	2550005	Modular component enclosure, grey screw cover with inspection window, 1x13 modules	190x280x160	
	OEL24-1 DIN-rail encl.	2550000	Modular component enclosure, grey screw cover with inspection window, 2x13 modules	280x280x160	
	THL24-1 DIN-rail encl.	2550021	Modular component enclosure, grey screw cover with inspection window, 2x13 modules	560x280x160	
	THL24-2 DIN-rail encl.	2550022	Modular component enclosure, grey screw cover with two inspection windows, 4x13 modules	560x280x160	
DIN-rail enclosures	MC EKHA 191913 T-2FSH 1x9	2539600	Modular component enclosure, hinged transparent cover, 1x9 modules	190x190x130	
	MC EKJB 192813 T-2FSH 1x14	2539602	Modular component enclosure, hinged transparent cover, 1x14 modules	190x280x130	
	MC EKJB 281913 T-2FSH 2x9	2539601	Modular component enclosure, hinged transparent cover, 2x9 modules	280x190x130	
	MC EKOE 282813 T-2FSH 2x14	2539603	Modular component enclosure, hinged transparent cover, 2x14 modules	280x280x130	
	MC EKPE 382813 T-2FSH 2x19	2539604	Modular component enclosure, hinged transparent cover, 2x19 modules	280x380x130	
	MC EKPE 382813 T-2FSH 3x14	2539605	Modular component enclosure, hinged transparent cover, 3x14 modules	380x280x130	
	MC EKTH 562813 T-3FSH 4x13	2539606	Modular component enclosure, hinged transparent cover, 4x13 modules	560x280x130	
	MC EKUM 563818 T-3FSH 4x19	2539607	Modular component enclosure, hinged transparent cover, 4x19 modules	560x380x180	
CUAL EK	CUAL EK 281913 G 50mm2	2674640	Enclosure incl. 5 x 1.5 mm ² - 50mm ² Cu/Al terminals and cable entry flanges	280x190x130	
	CUAL EK 382813 G 2X95mm2	2674642	Enclosure incl. 5 x 6 mm ² - 95mm ² Cu/Al terminals and cable entry flanges	380x280x130	
	CUAL EK 382813 G 95mm2	2674641	Enclosure incl. 2 x 5 x 6 mm ² - 95mm ² Cu/Al terminals and cable entry flanges	380x280x130	
	CUAL EK 562813 G 2X150mm2	2674643	Enclosure incl. 2 x 5 x 25 mm ² - 150mm ² Cu/Al terminals and cable entry flanges	560x280x130	

EK MODULAR SYSTEM



Complete Enclosures



Base



Mounting plate



Extension frame

Symbol	Code	Dimensions	Symbol	Code	Dimensions	Symbol	Code	Dimensions	Symbol	Code	Dimensions
EKHA 130G	2538001	190x190x130	EKHA	3530139	190x190x100	EKHVT	3770548	148x148x1,5			
EKHA 130 T	2538101	190x190x130	PC 1919	6530800	190x190x100	MPI EKH 1919	3770100	167x167x4			
EKHA MPI 130 G	2538201	190x190x130									
EKHA MPI 130 T	2538301	190x190x130									
EKHA 180 G	2538004	190x190x180	EKHS	3530543	190x190x100						
EKHA 180 T	2538104	190x190x180									
EKJB 130 G	2538013	280x190x130	EKJB	3530140	280x190x100	EKJVT	3770549	238x148x1,5			
EKJB 130 T	2538113	280x190x130	PC 2819	6530801	280x190x100	MPI EKJ 2819	3770101	259x164x4	EKJZR	3730153	280x190x50
EKJB MPI 130 G	2538213	280x190x130									
EKJB MPI 130 T	2538313	280x190x130									
EKJB 180 G	2538016	280x190x180									
EKJB 180 T	2538116	280x190x180									
EKMB 130 G	2538019	380x190x130	EKMB	3530136	380x190x100	EKMVT	3770550	338x148x1,5			
EKMB 130 T	2538119	380x190x130	PC 3819	6530802	380x190x100				EKMZR	3730152	380x190x50
EKMB 180 G	2538022	380x190x180	EKMR	3530542	380x190x100						
EKMB 180 T	2538122	380x190x180									
EKOE 130 G	2538037	280x280x130	EKOE	3530095	280x280x100	EKOVT	3770551	238x238x1,5			
EKOE 130 T	2538137	280x280x130	PC 2828	6530803	280x280x100	MPI EKO 2828	3770102	244x244x4	EKOZR	3730093	280x280x50
EKOE MPI 130 G	2538237	280x280x130									
EKOE MPI 130 T	2538337	280x280x130									
EKOE 180 G	2538040	280x280x180									
EKOE 180 T	2538140	280x280x180									
EKPE 130 G	2538043	380x280x130	EKPE	3530133	380x280x100	EKPVT	3770552	338x238x1,5			
EKPE 130 T	2538143	380x280x130	PC 3828	6530804	380x280x100	MPI EKP 3828	3770103	338x238x4	EKPZR	3730141	380x280x50
EKPE MPI 130 G	2538246	380x280x130									
EKPE MPI 130 T	2538346	380x280x130									
EKPE 180 G	2538046	380x280x180									
EKPE 180 T	2538146	380x280x180									
EKPK 180 G	2538055	380x280x180	EKPG	3530134	380x280x100						
EKPK 180 T	2538155	380x280x180	EKPK	3530315	380x280x150						
EKPK 230 G	2538058	380x280x230	EKPL	3530316	380x280x150						
EKPK 230 T	2538158	380x280x230									
EKPL 180 G	2538061	380x280x180									
EKPL 180 T	2538161	380x280x180									
EKPL 230 G	2538064	380x280x230									
EKPL 230 T	2538164	380x280x230									
EKTH 130 G	2538067	560x280x130	EKTH	3530132	560x280x100	EKTVT	3770553	517x238x1,5	EKTZR	3730142	560x280x50
EKTH 130 T	2538167	560x280x130	PC 5628	6530806	560x280x100						
EKUH 180 G	2538073	560x380x180	EKUH	3530317	560x380x150	EKUVT	3770554	517x338x1,5	EKUZR	3730323	560x380x50
EKUH 180 T	2538173	560x380x180	PC 5638	6530807	560x380x100						
EKUM 180 G	2538079	560x380x180	EKUM	3530319	560x380x150						
EKUM 180 T	2538179	560x380x180	EKUN	3530318	560x380x150						
EKUN 180 G	2538085	560x380x180									
EKUN 180 T	2538185	560x380x180									
EKWH 250 G NEW	2538990	760x560x250	EKWH	3530907	760x560x150	2 x EKUVT	3770554	517x338x1,5			
			PC 7656	6530909	760x560x150						

EK MODULAR SYSTEM



Cover

G = grey / T = transparent

Cover w/ hinges IP65

G = grey / T = transparent

DIN-rails

Cover			Cover w/ hinges IP65			DIN-rails		
Symbol	Code	Dimensions	Symbol	Code	Dimensions	Symbol	Modules	Code
EKH30-G	3730147	190x190x30	EKH30-G2FSH	3530147	190x190x30	DRS EKH 1919 1x9M	1 x 9	3770200
EKH30-T	3720147	190x190x30	EKH30-T2FSH	3520147	190x190x30			
EKH80-G	3730555	190x190x80						
EKH80-T	3720555	190x190x80						
EKJ30-G	3730146	280x190x30	EKJ30-G2FSH	3530146	190x280x30	DRS EKJ 2819 1x14M DRS EKJ 2819 2x9M	1 x 14	3770202
EKJ30-T	3720146	280x190x30	EKJ30-G2FSH190	3630146	280x190x30		2 x 9	3770201
EKJ80-G	3730556	280x190x80	EKJ30-T2FSH	3520146	280x190x30			
EKJ80-T	3720556	280x190x80	EKJ30-T2FSH190	3620146	190x280x30			
EKM30-G	3730145	380x190x30	EKM30-G2FSH	3530145	380x190x30			
EKM30-T	3720145	380x190x30	EKM30-T2FSH	3520145	380x190x30			
EKM80-G	3730557	380x190x80						
EKM80-T	3720557	380x190x80						
EKO30-G	3730096	280x280x30	EKO30-G2FSH	3530096	280x280x30	DRS EKO 2828 2x14M	2 x 14	3770203
EKO30-T	3720096	280x280x30	EKO30-T2FSH	3520096	280x280x30			
EKO80-G	3730558	280x280x80						
EKO80-T	3720558	280x280x80						
EKP30-G	3730143	380x280x30	EKP30-G2FSH	3530143	280x380x30	DRS EKP 3828 2x19M DRS EKP 3828 3x14M	2 x 19	3770204
EKP30-T	3720143	380x280x30	EKP30-G2FSH280	900694	380x280x30		3 x 14	3770205
EKP80-G	3730559	380x280x80	EKP30-T2FSH	3520143	380x280x30			
EKP80-T	3720559	380x280x80	EKP30-T2FSH280	3620143	280x380x30			
EKT30-G	3730144	560x280x30	EKT30-G3FSH	3530144	560x280x30	DRS EKT 5628 4x13M	4 x 13	3770206
EKT 30-GR	2550043	560x280x30	EKT30-T3FSH	3520144	560x280x30			3770207
EKT30-T	3720144	560x280x30						
EKU30-G	3730320	560x380x30	EKU30-G3FSH	3530320	560x380x30			
EKU30-T	3720320	560x380x30	EKU30-T3FSH	3520320	560x380x30			
EKW100-G	3730908	760x560x100						







COVER SCREWS, VENTILATION, HINGES, WALL MOUNTING KITS, ETC.

	Symbol	Code	Description	Notes	
Cover screws	CS 10256-4 cov. screw set	3544256	Cross head screwset for 30/100 mm cover	30/100	
	CS 10563-4 screw set	3544563	Cross head screwset for 80 mm cover	80	
	HS 10255-2-set screw set	3542255	Wing head screw set for 30 mm cover	30/100	
	HS 10562-2-set screw set	3542562	Wing head screwset for 80 mm cover	80	
	DS 10581 triang. screw	3540581	Triangle head screwset for 30/100 mm cover	30/100	
	HS10532-GB cov. screw set	2550055	Quick-locking wing head screwset (hinged) for 30 mm cover	30/100	
	HS10533-GB cov. screw set	2550056	Wing head (quick-lock) screwset for 30 mm cover	30/100	
	MB 10598 EK/ Solid lock	3570598	EK corner lock	30	
Ventilation	MB 10564 II Vent.dev. set	3541564	Ventilation device IP 44, gasketed, incl. screws	IP 44	
	MB 10858 II	3540858	Grille/filter holder for MB 10564 II	For mini ventilator 40x40x15	
	MB 10859 II holder set	3540859	Holder for fan incl. screws	IP 34	
	MB 10631 Vent. device	3540631	Ventilation device IP 33	IP 33	
	MB 12189	4512189	Draining plug IP 34	IP 34	
	GVPPA M12L pressure stab.	7016700	Pressure equalizer plug, IP 68, light grey, thread M12 x 1,5	IP 68	
Hinges and wall mounting kits	MB 10622 EK-hinge set 2	3530622	Hinge set	Set of 2 pcs.	
	MB 10674 set	3770674	Wallmounting set	Set of 4 pcs.	
Accessories	DRCP 12M	5026195	Cover plate for 12 modules	For 12 modules	
	MB10391-PM ext. set	2550069	Extension flange (height 25 mm), Mounting with 4x MB 10392	Size 2	
	MB 10523 EK-cover plug	3560523	Cover plug		
	MSM PT 5X10 mount.screw	4712249	MSM PT 5X10 mount.screw	1 pcs.	
	PT60x11 PH3 BAG (4) set	3570580	Mounting screw set (4pcs), For Ø5,2 mm mounting) pods	Set of 4 pcs.	
	MB 10717 set	3530717	Bridge set for optimal entry of cables		
	MB 10718 set	3530718	Bridge set for optimal entry of cables		
	MB 60MM, FX2000 B-B hold	3532385	Powerrail holder max 400A	Max. 400A	

COVERS, DIN RAILS AND INSPECTION WINDOWS

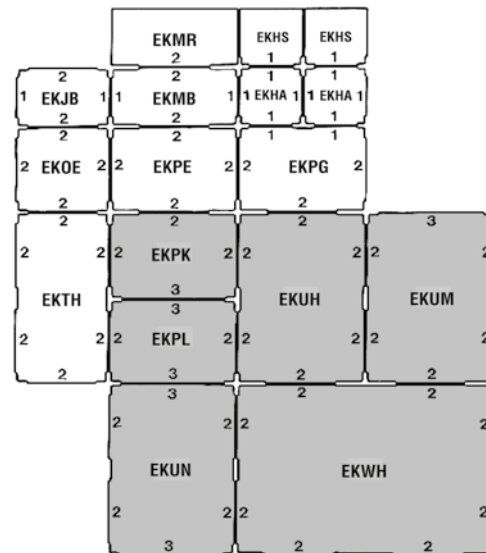
	Symbol	Code	Description	Dimensions	
Covers	JGL12II-1 cover	2550361	Cover with inspection window	190x280x60	
	OGL24II-1 cover	2550362	Cover with inspection window	280x280x60	
	TGL24II-1	901461	Cover with inspection window	560x280x60	
	TGL24II-2 cover	2550363	Cover with two inspection windows	560x280x60	
	JGL13-1 cover	2550364	Cover with inspection window	190x280x45	
	PGL13-1 cover	2550400	Cover with inspection window	380x280x45	
DIN-rails	DS35160E DIN-rail	3770863	DIN-35 rail 35x160x7.5mm	35x160x7,5	
	DS35250E DIN-rail	3770864	DIN-35 rail 35x250x7.5mm	35x250x7,5	
	DS35350E DIN-35 rail	3770865	DIN-35 rail 35x350x7.5mm	35x350x7,5	
Inspection windows	L 13 window	3730692	Inspection window with coverplate for 1x13 modules, IP65	257x108x15	
	L 12 II window	3730775	Inspection window without coverplate. Max 1x12 modules, IP65	128x248x26	
	L 24 II window	3730776	Inspection window without coverplate. Max 2x12 modules, IP65	218x248x26	
	L 43 II window	4512298	Inspection window without coverplate. Max 2x13 modules, IP65	277x331x23	
	L 44 II window	4512299	Inspection window without coverplate. Max 2x18 modules, IP65	377x331x23	
	L 02 window	3730660	Inspection window for 2 modules, IP54	78x59x25	
	L 04 window	3730661	Inspection window for 4 modules, IP54	78x94x25	
	L 06 window	3730662	Inspection window for 6 modules, IP54	78x129x25	
	L 08 window	3730663	Inspection window for 8 modules, IP54	78x163x25	
	L 10 window	3730664	Inspection window for 10 modules, IP54	78x200x25	

ASSEMBLY KITS, FLANGES AND CABLE BOXES

	Symbol	Code	Description	Flange size	
Assembly kits	FG gasket set size 1	2550078	Coupling set size 1, 138 x 48 mm	1	
	FG gasket set size 2	2550079	Coupling set size 2, 216 x 84 mm	2	
	FG gasket set size 3	2550048	Coupling set size 3, 332 x 127 mm	3	
Blind flanges	MB10215 flange set	2550067	Flange gasket set, size 1, including cover plate	1	
	MB 10546 set	3590546	Blind flange size 2, 216x84mm	2	
	MB10324 flange set	2550068	Flange gasket set, size 3, including cover plate	3	
Metric flanges	MB 10892 set flange set	3590892	Metricflange size 1, 138x48mm, 4xM20	1	
	MB 10860 set flange set	3590860	Metricflange size 2, 216x84mm, 5xM25+6xM20	2	
	MB 10861 set flange set	3590861	Metricflange size 2, 216x84mm, 2xM50+4xM20	2	
	MB 10862 set flange set	3590862	Metricflange size 2, 216x84mm, 2xM16+3xM20+2xM25+2xM3	2	
	MB 10891 set flange set	3590891	Metricflange size 2, 216x84mm, 12xM20	2	
Knock-out flanges	MB 10857 set flange set	3590857	Knock-out flange size 2, 216x84mm, 4xM12+4xM12/M20+4xM16/M25	2	
	MB 10889 set flange set	3590889	Knock-out flange size 2, 216x84mm, 8xM20+5xM25/M16	2	
	MB 10890 set flange set	3590890	Knock-out flange size 2, 216x84mm, 2xM32/M20+2xM40/M25	2	
Membrane flanges	FMF 10 Set	3576150	Membrane flange size 1, 138x48mm, Bushing points: 2x12-21mm, 2x8-15mm, 6x5-8mm	1	
	FMF 3 Set	3576151	Membrane flange size 2, 214x82mm, Bushing points: 2 x 24 mm - 54 mm, 1 x 30 mm - 59 mm, 3 x 6 mm - 14 mm	2	
	FMF 17 Set	3576152	Membrane flange size 2, 216x84mm, Bushing points: 9 x 18 mm - 30 mm / 10 mm - 14 mm 4 x 10 mm - 15 mm 4 x 5 mm - 10 mm	2	
	FMF 25 Set	3576153	Membrane flange size 2, 216x84mm, Bushing points: 1 x 20 mm - 26 mm IP65 / 12-15 mm IP55, 16 x 8 mm - 14 mm IP65 / 7 - 10 mm IP55, 4 x 14 mm - 20 mm IP65 / 5 - 10 mm IP55, 4 x 5 mm - 7 mm IP65	2	
	FMF 35 Set	3576154	Membrane flange size 2, 216x84mm, Bushing points: 1 x 17 mm - 32 mm, 2 x 12 mm - 18 mm, 16 x 10 mm - 14 mm, 12 x 7 mm - 12 mm, 4 x 6 mm - 10 mm	2	
	FMF 50 Set	3576155	Membrane flange size 2, 216x84mm, Bushing points: 49 x 7 mm - 13 mm 1 x 15 mm - 25 mm	2	
Cable entry	FCE 40 Set	3576156	Cable entry flange size 1, 138x48mm, Bushing points: 1 x 16 mm - 40 mm, 2 x 8 mm - 16 mm	1	
	FCE 2x64 Set	3576157	Cable entry flange size 2, 216x84mm, Bushing points: 2 x 30mm - 64mm, 2 x 8mm - 20mm	2	
	EPA 2160 set	3550056	Cable entry set, size 2, 1 cable, 1x28-60mm	2	
	EPA 2260 set	3550052	Cable entry set, size 2, 2 cables, 2x28-60mm	2	
	MB 2260 cable entry set	3730260	Cable entry box, size 2	2	

TECHNICAL DATA

Ingress Protection (EN60529)	IP65* IP66 / IP67
Impact resistance (EN62262)	
Base	IK-08
Base incl. flanges	IK-08
Covers	IK-08
Flammability rating	UL94-V0
Glow wire test	960 °C IEC695-2-1, self-extinguishing
UV-resistant	Yes
Halogen-free	Yes
Chemical resistance	Extremely good**
Materials	
Bases	Fiberglass reinforced polycarbonate
Covers	Polycarbonate
Temperature range	
Continuous	-40 °C / +80 °C
Standard colour	
Bases	Light grey RAL 7035
Covers	Transparent/light grey RAL 7035
Protection	Double insulated
Rated voltage	660 VAC
Rated current	630 A
Max. short circuit current	25 kA/1s eff.
Max. peak short circuit	56,5 kA peak value
Standard	EN62208 EN61439-3 EN61439-4



Bases illustrated in white are 100 mm deep, while bases in grey are 150 mm deep. The numbers along the enclosure sides show where there are flange blanks for assembly or flange assembly, as well as what sizes they are.

* When using membrane flanges, hinged lids and hinged covers

** For more information, please contact your local customer service team

Temperature rise limits

Symbol	Depth	Dimensions (HxWxD)	Individually mounted	Max. installed effect	
				Installation surrounded	Installation end of row
EKH	130	190x190x130	21	15	17
EKH	180	190x190x130	24	17	19
EKJ	130	280x190x130	25	18	20
EKJ	180	280x190x180	28	20	22
EKM	130	380x190x130	28	20	22
EKM	180	380x190x180	35	25	28
EKO	130	280x280x130	30	24	27
EKO	180	280x280x180	38	30	34
EKP	130	380x280x130	36	29	32
EKP	180	380x280x180	46	37	41
EKP	230	380x280x230	53	42	48
EKT	130	560x280x130	47	38	41
EKT	180	560x280x180	56	42	47
EKU	180	560x380x180	68	54	68
EKW	250	760x560x250	127	104	112

The above values are based on an ambient temperature of 35 °C
Values at other ambient temperatures can be provided.