

FIBOX

SOLID

FIBOX SOLID



PC
ABS
SM
HINGED COVER



Pat.Reg. 392179, 391844

FIBOX SOLID SC II



FIBOX SOLID METRIC KNOCK-OUTS



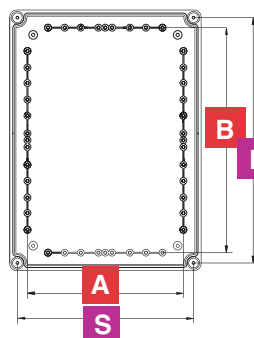
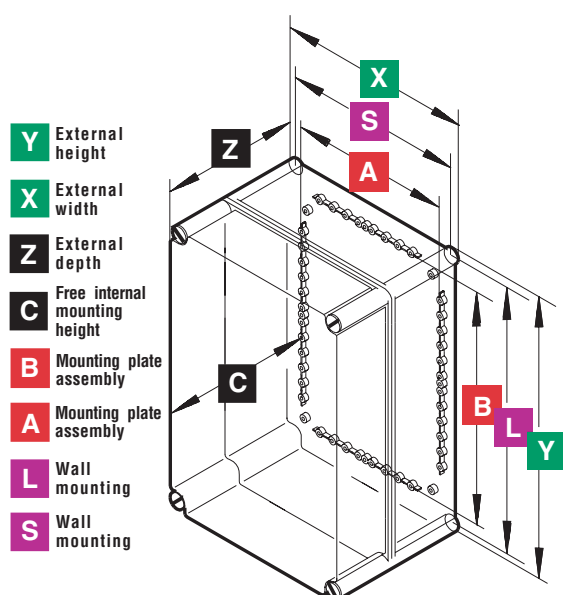
FIBOX SOLID HINGED COVER
Cover with hinges, more information page 44.

The FIBOX SOLID SC II range, SM range and SOLID Hinged Cover range offer a clear alternative to polyester enclosures. Moulded with impact resistant polycarbonate or ABS plastic, the FIBOX SOLID range is available as a screw cover enclosure or as a hinged cover enclosure.

The enclosures are rated EN 60529 IP66 / IP67.

FIBOX SOLID

FIBOX SOLID PC: IP66 / IP67, IK 08 ABS: IP66 / IP67, IK 08	Z mm	C mm	Including: Enclosure base, 4 cross head cover screws, and mounting screws.				B x A
			ORDER SYMBOL		ORDER SYMBOL		L x S
			Grey cover		Transparent cover		mm
PC 1919 ABS 1919 Y x X 190 mm 190 mm 	130	115	Cover 30 mm PC 1919 13 G ABS 1919 13 G		Cover 30 mm PC 1919 13 T ABS 1919 13 T		B x A 120 x 120
	130	115					
	180	165	Cover 80 mm PC 1919 18 G ABS 1919 18 G		Cover 80 mm PC 1919 18 T ABS 1919 18 T		L x S 164 x 164
	180	165					
PC 2819 ABS 2819 Y x X 280 mm 190 mm 	130	115	Cover 30 mm PC 2819 13 G ABS 2819 13 G		Cover 30 mm PC 2819 13 T ABS 2819 13 T		B x A 210 x 120
	130	115					
	180	165	Cover 80 mm PC 2819 18 G ABS 2819 18 G		Cover 80 mm PC 2819 18 T ABS 2819 18 T		L x S 254 x 164
	180	165					
PC 3819 ABS 3819 Y x X 380 mm 190 mm 	130	115	Cover 30 mm PC 3819 13 G ABS 3819 13 G		Cover 30 mm PC 3819 13 T ABS 3819 13 T		B x A 310 x 120
	130	115					
	180	165	Cover 80 mm PC 3819 18 G ABS 3819 18 G		Cover 80 mm PC 3819 18 T ABS 3819 18 T		L x S 354 x 164
	180	165					
PC 2828 ABS 2828 Y x X 280 mm 280 mm 	130	115	Cover 30 mm PC 2828 13 G ABS 2828 13 G		Cover 30 mm PC 2828 13 T ABS 2828 13 T		B x A 210 x 210
	130	115					
	180	165	Cover 80 mm PC 2828 18 G ABS 2828 18 G		Cover 80 mm PC 2828 18 T ABS 2828 18 T		L x S 254 x 254
	180	165					
PC 3828 ABS 3828 Y x X 380 mm 280 mm 	130	115	Cover 30 mm PC 3828 13 G ABS 3828 13 G		Cover 30 mm PC 3828 13 T ABS 3828 13 T		B x A 310 x 210
	130	115					
	180	165	Cover 80 mm PC 3828 18 G ABS 3828 18 G		Cover 80 mm PC 3828 18 T ABS 3828 18 T		L x S 354 x 254
	180	165					



SYMBOLS AND ABBREVIATIONS

PC 19 19 13 T

└ Cover G= Grey
└ T= Smoked grey

Height

Length

Width

Enclosure type

PC polycarbonate smooth sides

ABS ABS grey, smooth sides

SP polycarbonate with SM knock-outs

FIBOX SOLID PC: IP66 / IP67, IK 08 ABS: IP66 / IP67, IK 08	Z mm	C mm	Including: Enclosure base, 6 cross head cover screws, and mounting screws.			B x A L x S mm
			ORDER SYMBOL		ORDER SYMBOL	
			Grey cover		Transparent cover	
PC 5628 ABS 5628 Y x X 560 mm 280 mm 	130 130	115 115	Cover 30 mm PC 5628 13 G ABS 5628 13 G		Cover 30 mm PC 5628 13 T ABS 5628 13 T	B x A 489 x 210 L x S 534 x 254
PC 5638 ABS 5638 Y x X 560 mm 380 mm 	180 180	165 165	Cover 30 mm PC 5638 18 G ABS 5638 18 G		Cover 30 mm PC 5638 18 T ABS 5638 18 T	B x A 489 x 310 L x S 534 x 354

FIBOX SOLID SM WITH METRIC KNOCK-OUTS

FIBOX SOLID SM PC: IP66 / IP67, IK 08 ABS: IP66 / IP67, IK 08	Z mm	C mm	Including: Enclosure base, 4 slotted cover screws, and mounting screws.				B x A
			ORDER SYMBOL		ORDER SYMBOL		L x S
			Grey cover		Transparent cover		mm
SM 1928 Y x X 280 mm 190 mm 	130 180	115 165	SM 1928 13 G SM 1928 18 G		SM 1928 13 T SM 1928 18 T		B x A 210 x 120 L x S 254 x 164
SM 2819 Y x X 190 mm 280 mm 	130 180	115 165	SM 2819 13 G SM 2819 18 G		SM 2819 13 T SM 2819 18 T		B x A 210 x 120 L x S 254 x 164
SM 2828 Y x X 280 mm 280 mm 	130 180	115 165	SM 2828 13 G SM 2828 18 G		SM 2828 13 T SM 2828 18 T		B x A 210 x 210 L x S 254 x 254
SM 2838 Y x X 380 mm 280 mm 	130 180	115 165	SM 2838 13 G SM 2838 18 G		SM 2838 13 T SM 2838 18 T		B x A 310 x 210 L x S 354 x 254

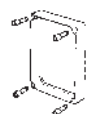
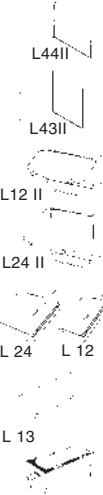
External height **Y** External width **X** External depth **Z** Free internal mounting height **C** Mounting plate assembly **B** x **A** Wall mounting **L** x **S**

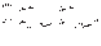
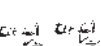
TECHNICAL INFORMATION

PROPERTY	POLYCARBONATE (PC)	ABS	CONFORMITY TO STANDARDS (UL, CSA, CE, Lloyds, BV, FI)
Ingress Protection (EN 60529)	IP66/IP67	IP66/IP67	USA Enclosures for Electrical Equipment PC: UL Type 1, 3, 3S, 4, 4X, 6, 12 and 13 (UL 50/508) ABS: NEMA 1, 4, 4X, 6, 12 and 13
Impact Resistance (EN 50102)	IK 08	IK 08	Canada Industrial Control Equipment Enclosures for Electrical Equipment/ULc
Temperature Range Celsius (short term)	-40°...120°C	-40°...80°C	Europe Enclosures for Switch Gear and Control Gear Assemblies EN 50298:1998
Temperature Range Fahrenheit (short term)	-40°...250°F	-40°...175°F	Europe Safety of Information Technology Equipment EN 60950
Temperature Range Celsius (continuous)	-40°...80°C	-40°...60°C	
Temperature Range Fahrenheit (continuous)	-40°...175°F	-40°...140°F	
Electrical Insulation	Totally insulated 	Totally insulated 	Australia Enclosures for switch gear and control gear AS 3132-1991
Light Grey Parts Colour	RAL 7035	RAL 7035	
Transparent Clear PC Cover	Industry Grey	Industry Grey	
Cover Screws	Clear Transparent	Clear Transparent	
Cover Screws	RAL 7035	RAL 7035	
Gasket	Polyamide (PA)	Polyamide (PA)	
Gasket	PUR/EPDM	PUR/EPDM	
Enclosure Flammability Rating	UL94-5V	UL94HB	UL 746 C 5 in. vertical flame test
Glow Wire Test	960°C	650°C	IEC 695-2-1, Self-extinguishing
Non-toxicity	Halogen Free	Halogen Free	
UV resistance	UL 508		
Chemical Resistance *	720 hours in "Weatherometer"		
	Good	Good	

Data subject to change without notice. *Consult separate raw material data for more detailed information

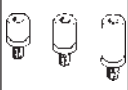
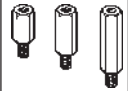
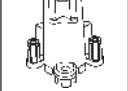
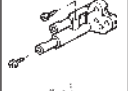
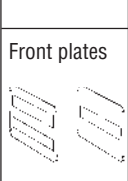
ACCESSORIES

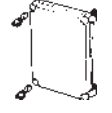
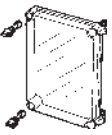
Product	Order symbol	Size mm	
Mounting plates 	EKHVT EKJVT EKMVT EKOVT EKPVT EKTVT EKUVT	148 x 148 238 x 148 338 x 148 238 x 238 338 x 238 518 x 238 518 x 338	
Mounting rails DIN 35 	EKV 12 EKV 22 EKV 32	35 x 160 35 x 235 35 x 335	
Extension frame, 50 mm 	EKJZR EKMZR EKOZR EKPZR EKTZR EKUZR	280 x 190x50 380 x 190x50 280 x 280x50 380 x 280x50 560 x 280x50 560 x 380x50	
Inspection windows 	L44 II L43 II L24 II L12 II L24 L12 L13 L10 L08 L06 L04 L02 L13 L02-L10	377 x 331 331 x 231 248 x 218 248 x 128 248 x 218 248 x 128 257 x 108 199 x 77 162 x 77 130 x 77 96 x 77 60 x 77	

Product	Order symbol		
Front plates for windows L12 and L24 	B12 10621-45 B24 10620-45		
Cover screws 	HS 10255 (a) CS 10256 (b) DS 10581 (c) SS 10535 (d) SS 10544 (e) HS 10533 (f) HS 10532 (g) MB 10534 (h) SS 10563 (i) HS 10562 (j) DS 10581 (k)	For 30 mm cover Wing head Cross head Triangle head Slotted head, sealable Slotted head, quick-lock* Wing head, quick-lock* Wing head, hinged* Threaded bushing (to be ordered separately with quick-lock screws) For 80 mm cover Slotted head Wing head Triangle head	
Ventilators 	MB 10564 II MB 10631		
Hinges 	MB 10622		
	MB 10547 PA 10547 FA 10547	Drill template, PA Drill template, metal	
	EKZKS 1		

FIBOX SOLID

ACCESSORIES

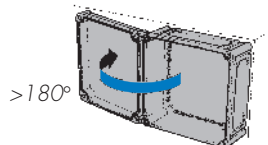
Product	Order symbol	Size mm	
Spacers	MR 10726 MR 10727 MR 10728 MR 10729	15, M6 (inner) 20, M6 (inner) 30, M6 (inner) 54, M6 (inner)	
	HR 10 HR 15 HR 20 HR 30	10, M6/M6 15, M6/M6 20, M6/M6 30, M6/M6	
	FA 12052 FA 12053	14, M5 (inner) 42, M5 (inner)	
	MB 10686	15/34	
	FX 20 set		
	MB FP88	88	
	MB FP882	88	
Lock	MB10597		
			
Mounting feet	MB 10674		
			
Triangular key	MB 10673 set		
			
Front plates	FP12-2819 FP12-2828 FP12x2-2828 FP12x2-2838 FP12x3-2838 FP12x3-2856		
 for Solid SM enclosures			

Product	The unique new FIBOX SOLID hinge is assembled on the cover. The hinged cover can be easily mounted to the enclosure base without drilling holes or other modification. Field replacement of screw covers is easily accomplished without modification. This cover is suitable for the FIBOX EK, SOLID and FEX products. Available in opaque grey (G) or transparent (T) polycarbonate.		
	Order symbol	Size mm	Order symbol
	EKH 30-G-2FSH	190 x 190 x 30	EKH 30-T-2FSH
	EKJ 30-G-FSH19	190 x 280 x 30	EKJ 30-T-FSH19
	EKJ 30-G-2FSH	280 x 190 x 30	EKJ 30-T-2FSH
	EKM 30-G-2FSH	380 x 190 x 30	EKM 30-T-2FSH
	EKO 30-G-2FSH	280 x 280 x 30	EKO 30-T-2FSH
	EKP 30-G-2FSH	380 x 280 x 30	EKP 30-T-2FSH
	EKT 30-G-3FSH	560 x 280 x 30	EKT 30-T-3FSH
	EKU 30-G-3FSH	560 x 380 x 30	EKU 30-T-3FSH
	EKH 80-G-2FSH	190 x 190 x 80	EKH 80-T-2FSH
	EKJ 80-G-2FSH	280 x 190 x 80	EKJ 80-T-2FSH
	EKM 80-G-2FSH	380 x 190 x 80	EKM 80-T-2FSH
	EKO 80-G-2FSH	280 x 280 x 80	EKO 80-T-2FSH
	EKP 80-G-2FSH	380 x 280 x 80	EKP 80-T-2FSH
	ABS 2819 30-G-2FSH	280 x 190 x 30	
	ABS 3819 30-G-2FSH	380 x 190 x 30	
	ABS 2828 30-G-2FSH	280 x 280 x 30	
	ABS 3828 30-G-2FSH	380 x 280 x 30	
	ABS 2819 80-G-2FSH	280 x 190 x 80	
	ABS 3819 80-G-2FSH	380 x 190 x 80	
	ABS 2828 80-G-2FSH	280 x 280 x 80	
	ABS 3828 80-G-2FSH	380 x 280 x 80	

FIBOX SOLID HINGED COVER

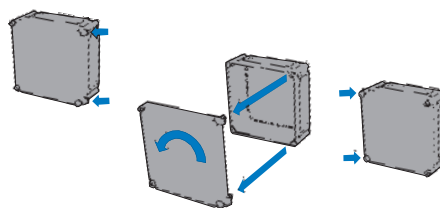
FULL OPENING ANGLE

The hinged cover opening exceeds 180 degrees allowing complete access to the interior of the enclosure.



REVERSABLE LEFT / RIGHT OPENING

The the hinged cover may be mounted on the left side or on the right side. Hinging is field reversible and easily accomplished.

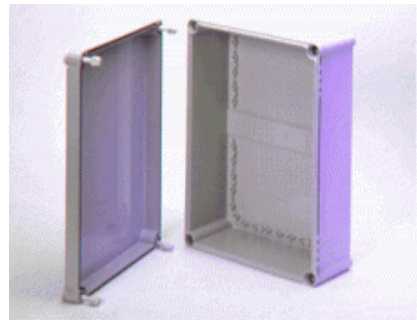


FIBOX SOLID SC II ENCLOSURES

These cabinets, are made from high impact resistant polycarbonate material, and will withstand harsh industrial environments. They have ready mounted hinges and quick lock screws. Protection to IP65 is maintained when fastened. The enclosure base features many internal mounting pods for various assembly requirements. SOLID SC enclosures offer a large number of accessories. Transparent cover options allow visual inspection of equipment installed inside the enclosure.

Approvals: IP65

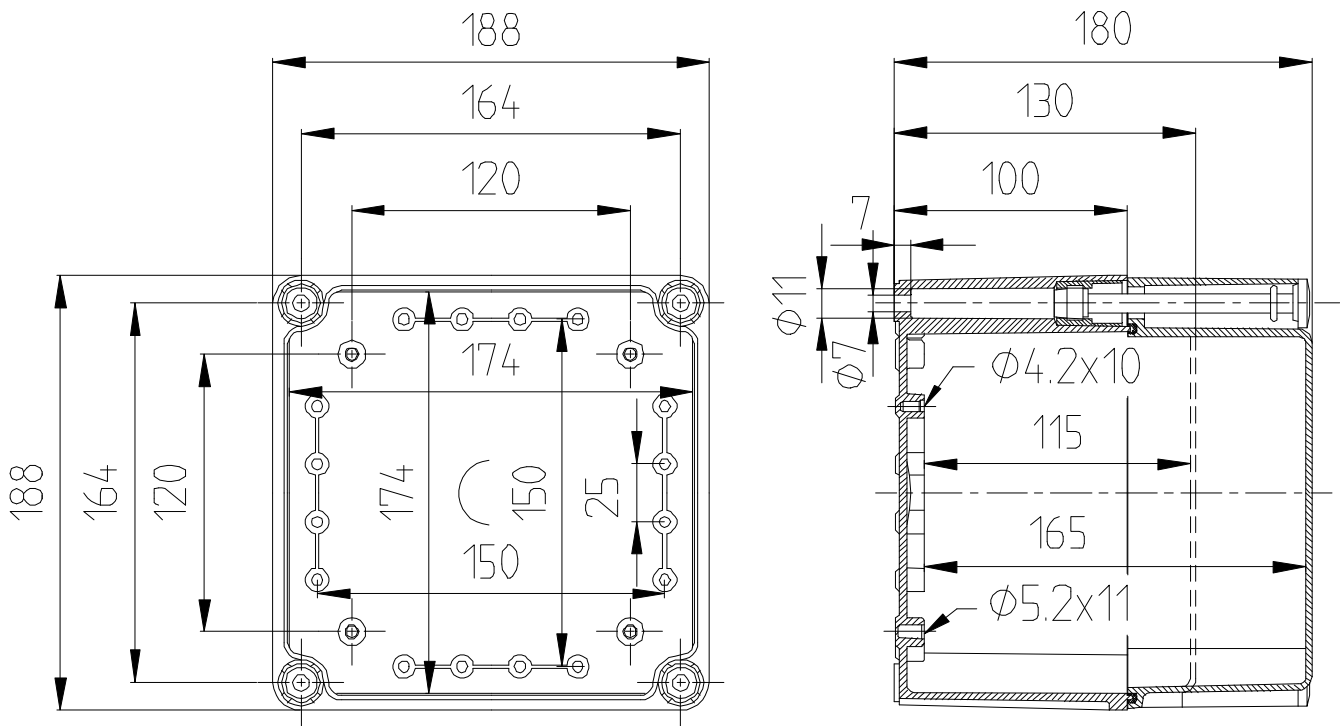
Order symbol		Size mm	
Grey cover	Transparent cover		
SC 281913 G II	SC 281913 T II	280 x 190 x 130	
SC 281918 G II	SC 281918 T II	280 x 190 x 180	
SC 381913 G II	SC 381913 T II	380 x 190 x 130	
SC 381918 G II	SC 381918 T II	380 x 190 x 180	
SC 282813 G II	SC 282813 T II	280 x 280 x 130	
SC 282818 G II	SC 282818 T II	280 x 280 x 180	
SC 382813 G II	SC 382813 T II	380 x 280 x 130	
SC 382818 G II	SC 382818 T II	380 x 280 x 180	
SC 562813 G II	SC 562813 T II	560 x 280 x 130	
SC 563818 G II	SC 563818 T II	560 x 380 x 180	



This is a sample photo.

ORDER SYMBOL: ABS 191918G	
EL.number Sweden: Denmark: Finland: 3423753	EAN: 6418074039019
INCLUDING: Enclosure body, cover, 4 slotted cover screws, and mounting screws.	
APPROVALS: USA: NEMA 4, 4X,12, 13; UL 94-HB EURO: IP 67; UL 94-HB OTHERS: IEC 529, CE, EEI	

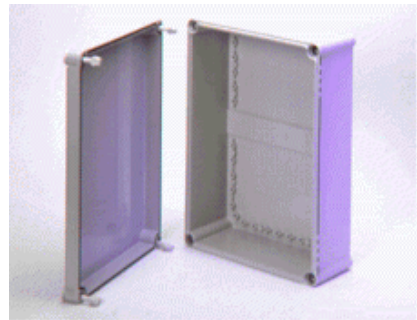
FIBOX SOLID ABS



TECHNICAL INFORMATION:	
Standard colour: RAL 7035	Temp.range in cont. use: Max. +60 °C
Ingress protection: IP 67 (IEC 529)	Temp. range of material: - 40 °C - + 80 °C
Flame resistance: UL 94-HB	

ACCESSORIES

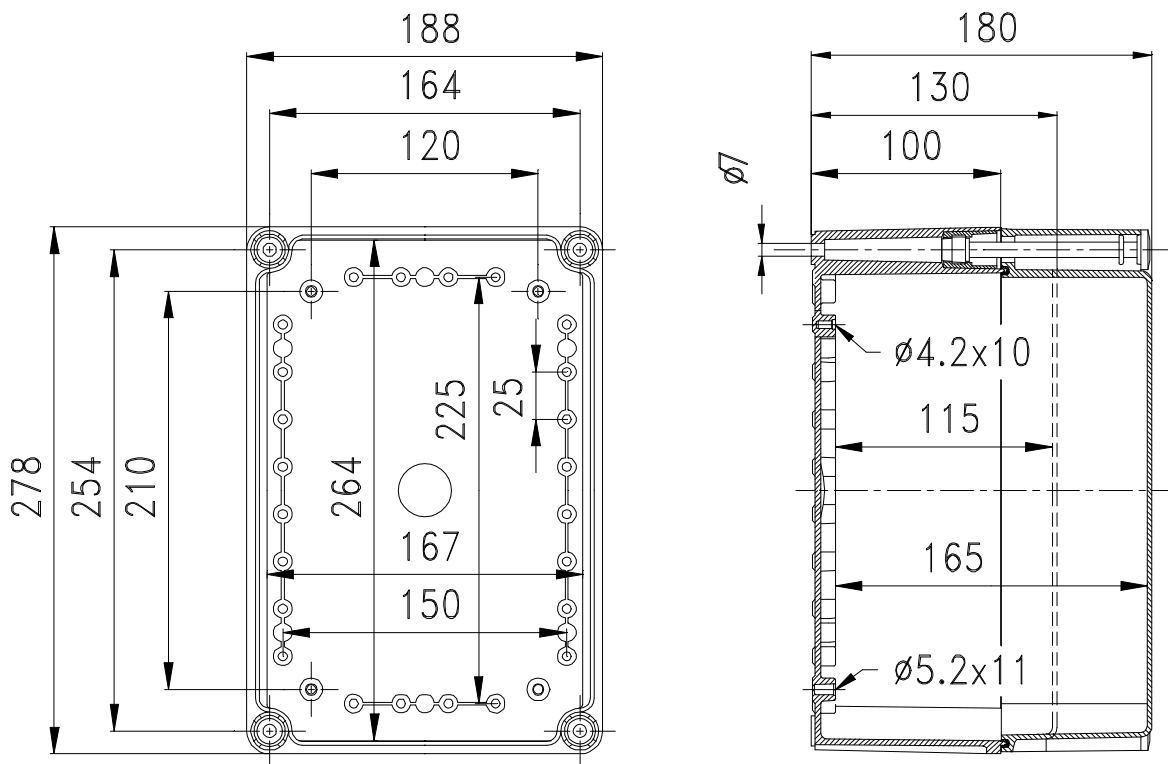
Extension frame	EKJZR	DIN-Rail	EKV 14	Earth bar support	MB 26069
Extension frame	EKMZR	DIN-Rail	EKV 22	Earth bar set	MR 26059
Extension frame	EKOZR	DIN-Rail	EKV 24		
Extension frame	EKPZR	DIN-Rail	EKV 32		
Extension frame	EKTZR	DIN-Rail	EKV 34		
Extension frame	EKUZR	Corner plug	MB 10523		
DIN-Rail	EKV 12	Fastening lug	MB 10674		



This is a sample photo.

ORDER SYMBOL: ABS 281918G	
EL.number Sweden: Denmark: Finland: 3423757	EAN: 6418074039033
INCLUDING: Enclosure body, cover, 4 slotted cover screws, and mounting screws.	
APPROVALS: USA: NEMA 4, 4X,12, 13; UL 94-HB EURO: IP 67; UL 94-HB OTHERS: IEC 529, CE, EEI	

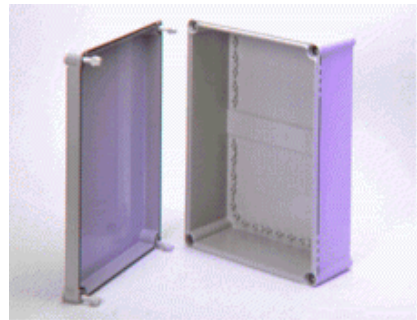
FIBOX SOLID ABS



TECHNICAL INFORMATION:	
Standard colour: RAL 7035	Temp.range in cont. use: Max. +60 °C
Ingress protection: IP 67 (IEC 529)	Temp. range of material: - 40 °C - + 80 °C
Flame resistance: UL 94-HB	

ACCESSORIES

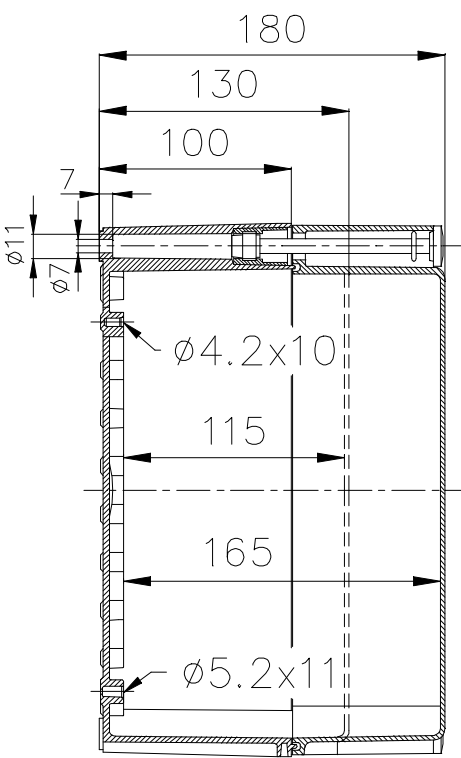
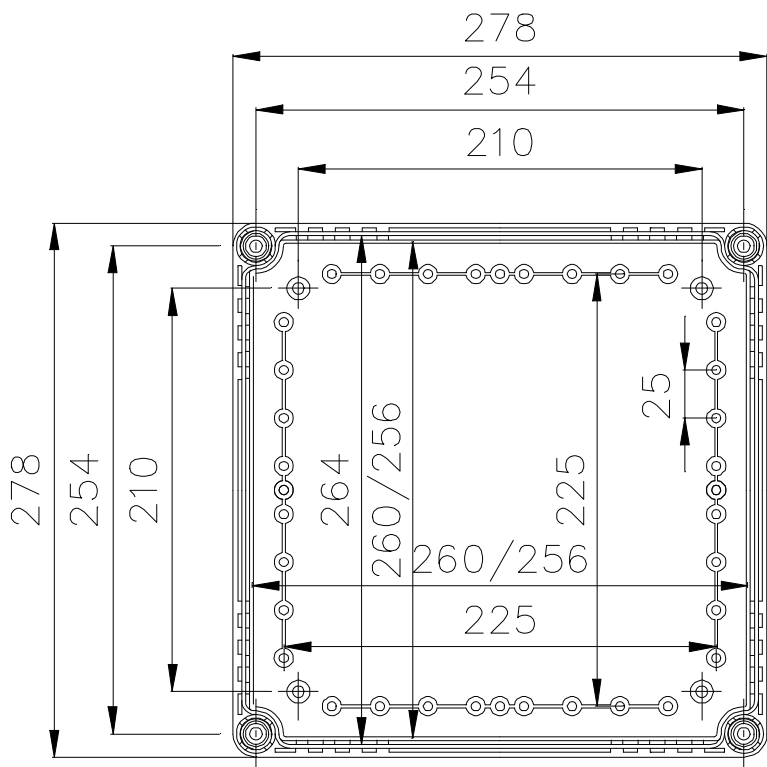
Extension frame	EKJZR	DIN-Rail	EKV 14	Earth bar support	MB 26069
Extension frame	EKMZR	DIN-Rail	EKV 22	Earth bar set	MR 26059
Extension frame	EKOZR	DIN-Rail	EKV 24		
Extension frame	EKPZR	DIN-Rail	EKV 32		
Extension frame	EKTZR	DIN-Rail	EKV 34		
Extension frame	EKUZR	Corner plug	MB 10523		
DIN-Rail	EKV 12	Fastening lug	MB 10674		



This is a sample photo.

ORDER SYMBOL: ABS 282818G	
EL.number Sweden: Denmark: Finland: 3423765	EAN: 6418074039071
INCLUDING: Enclosure body, cover, 4 slotted cover screws, and mounting screws.	
APPROVALS: USA: NEMA 4, 4X,12, 13; UL 94-HB EURO: IP 67; UL 94-HB OTHERS: IEC 529, CE, EEI	

FIBOX SOLID ABS



TECHNICAL INFORMATION:

Standard colour:	RAL 7035	Temp.range in cont. use:	Max. +60 °C
Ingress protection:	IP 67 (IEC 529)	Temp. range of material:	- 40 °C - + 80 °C
Flame resistance:	UL 94-HB		

ACCESSORIES

Extension frame	EKJZR	DIN-Rail	EKV 14	Earth bar support	MB 26069
Extension frame	EKMZR	DIN-Rail	EKV 22	Earth bar set	MR 26059
Extension frame	EKOZR	DIN-Rail	EKV 24		
Extension frame	EKPZR	DIN-Rail	EKV 32		
Extension frame	EKTZR	DIN-Rail	EKV 34		
Extension frame	EKUZR	Corner plug	MB 10523		
DIN-Rail	EKV 12	Fastening lug	MB 10674		



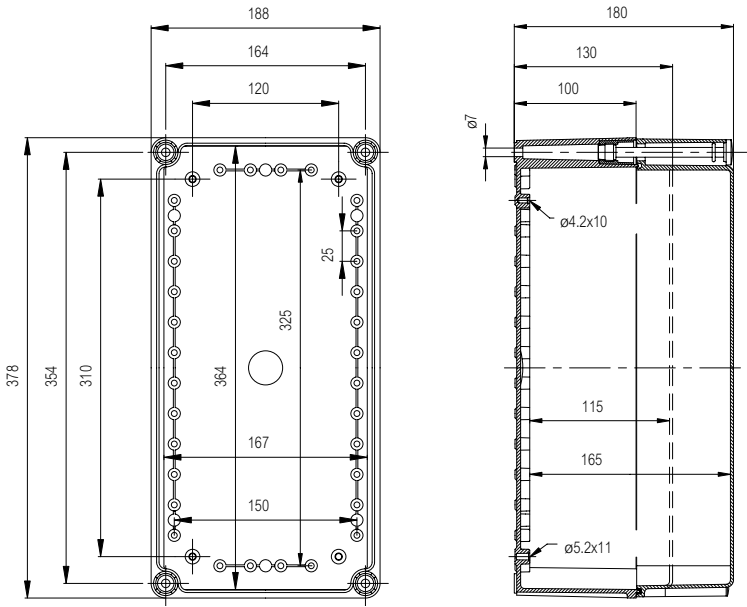
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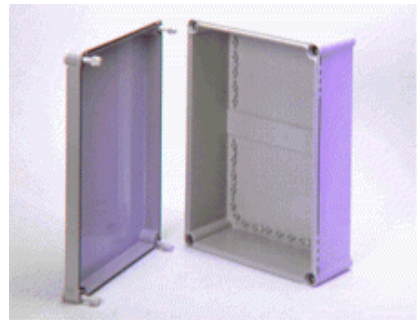
Order symbol: ABS 3819 13 G
Product nbr: 5880361
Description: Enclosure, ABS
Remarks: Grey cover

EAN: 6418074039040
El. number:
Finland 3423759
Italy 7410130D
Sweden 2539713

Including: Base with screws for mounting plate/DIN-rail, cover with PUR gasket and polyamide cover screws.

Dimensions:		L	W	H	Rating:
mm:		378	188	130	Ingress Protection (EN 60529): IP 66/67
inch:		14.9	7.4	5.1	Impact Resistance (EN 50102): IK 08
Materials:					Electrical insulation: Totally insulated
Material:		ABS			Halogen free (DIN/VDE 0472, Part 815): Yes
Base colour:		RAL 7035			Flammability Rating (UL 746 C 5): UL 94 HB
Cover colour:		RAL 7035			Glow Wire Test (IEC 695-2-1) °C: 650
Cover screws material:		Polyamide			NEMA Class: NEMA 1, 4, 4X, 6, 12, 13
Cover screws colour:		Grey			
Gasket material:		Polyurethane			
Temperatures:					Certificates:
Short term:		-40 ... 80 °C			Fimko
Continuous:		-40 ... 60 °C			Europe EN 50298 1998
Short term:		-40 ... 175 °F			Gost R
Continuous:		-40 ... 140 °F			
Accessories:					
EKMVT		Mounting plate			
EKV 12		DIN-35 Mounting rail			
EKV 32		DIN-35 Mounting rail			
EKMZR		Extension frame			

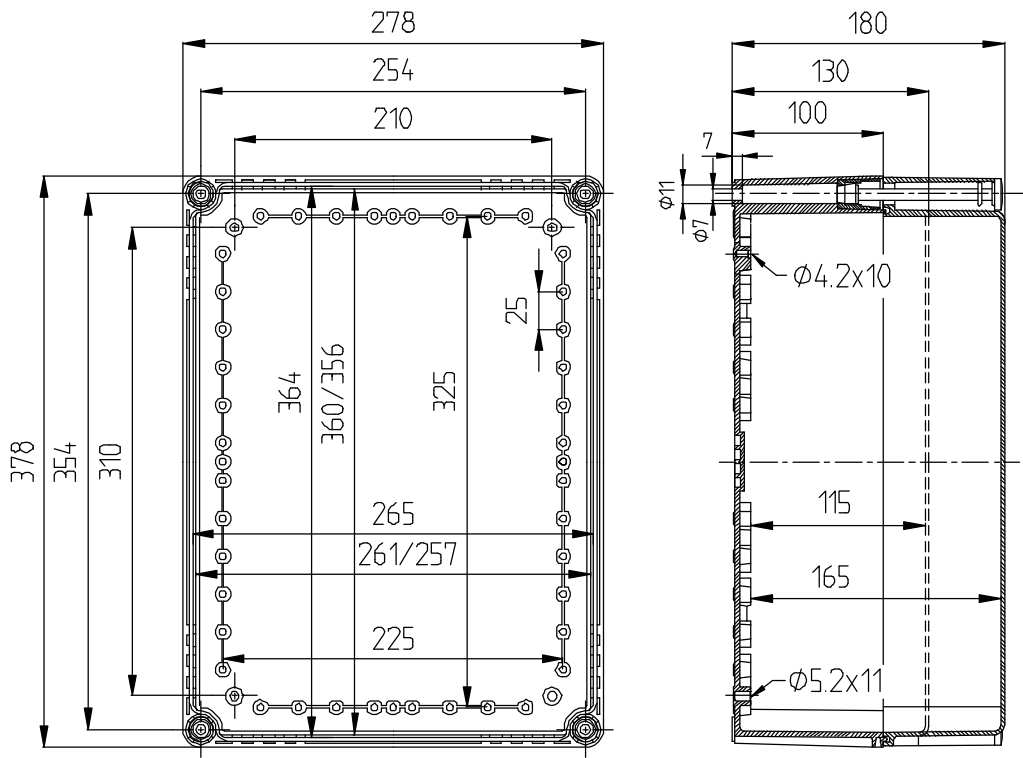




This is a sample photo.

ORDER SYMBOL: ABS 382818G	
EL.number	EAN: 6418074039095
Sweden:	
Denmark:	
Finland: 3423769	
INCLUDING:	
Enclosure body, cover, 4 slotted cover screws, and mounting screws.	
APPROVALS:	
USA: NEMA 4, 4X,12, 13; UL 94-HB	
EURO: IP 67; UL 94-HB	
OTHERS: IEC 529, CE, EEI	

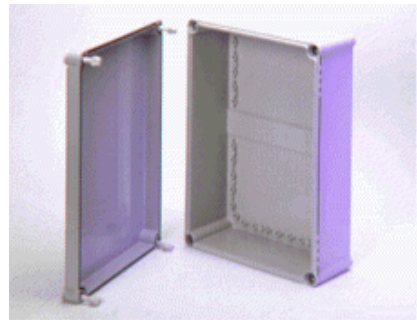
FIBOX SOLID ABS



TECHNICAL INFORMATION:	
Standard colour:	RAL 7035
Ingress protection:	IP 67 (IEC 529)
Flame resistance:	UL 94-HB
Temp.range in cont. use:	Max. +60 °C
Temp. range of material:	- 40 °C - + 80 °C

ACCESSORIES

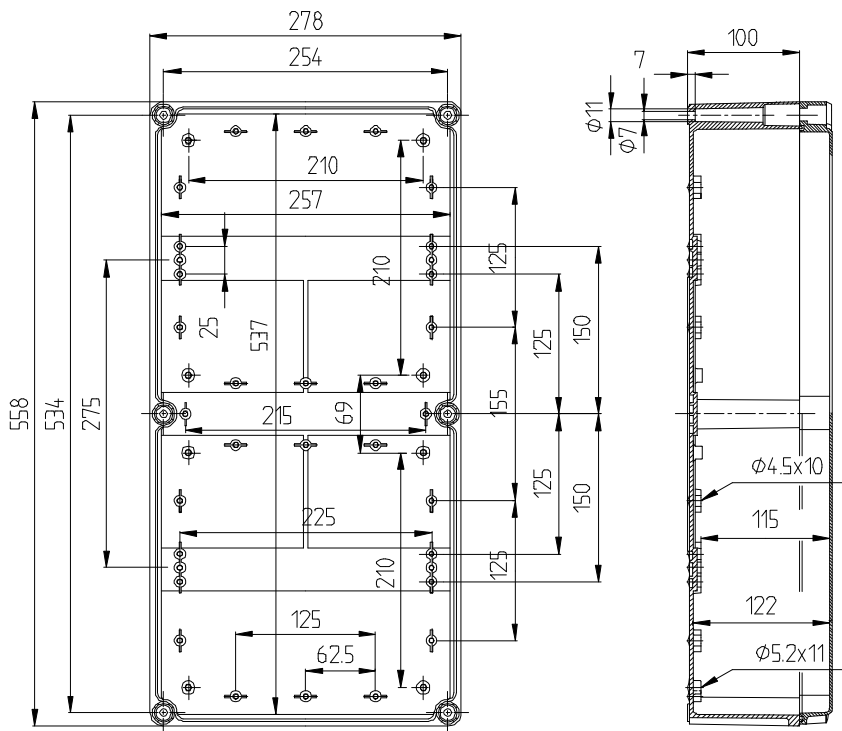
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Extension frame	EKMZR	DIN-Rail	EKV 22	Earth bar set	MR 26059
Extension frame	EKOZR	DIN-Rail	EKV 24		
Extension frame	EKPZR	DIN-Rail	EKV 32		
Extension frame	EKTZR	DIN-Rail	EKV 34		
Extension frame	EKUZR	Corner plug	MB 10523		
DIN-Rail	EKV 12	Fastening lug	MB 10674		



This is a sample photo.

ORDER SYMBOL: ABS 562813G	
EL.number Sweden: Denmark: Finland: 3423771	EAN: 6418074039101
INCLUDING: Enclosure body, cover, 6 slotted cover screws, and mounting screws.	
APPROVALS: USA: NEMA 4, 4X,12, 13; UL 94-HB EURO: IP 67; UL 94-HB OTHERS: IEC 529, CE, EEI	

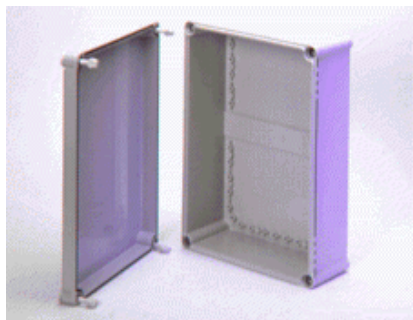
FIBOX SOLID ABS



TECHNICAL INFORMATION:	
Standard colour: RAL 7035	Temp.range in cont. use: Max. +60 °C
Ingress protection: IP 67 (IEC 529)	Temp. range of material: - 40 °C - + 80 °C
Flame resistance: UL 94-HB	

ACCESSORIES

Extension frame	EKJZR	DIN-Rail	EKV 14	Earth bar support	MB 26069
Extension frame	EKMZR	DIN-Rail	EKV 22	Earth bar set	MR 26059
Extension frame	EKOZR	DIN-Rail	EKV 24		
Extension frame	EKPZR	DIN-Rail	EKV 32		
Extension frame	EKTZR	DIN-Rail	EKV 34		
Extension frame	EKUZR	Corner plug	MB 10523		
DIN-Rail	EKV 12	Fastening lug	MB 10674		



This is a sample photo.

ORDER SYMBOL: ABS 563818G

EL.number

EAN: 6418074039118

Sweden:

Denmark:

Finland: 3423773

INCLUDING:

Enclosure body, cover, 6 slotted cover screws, and mounting screws.

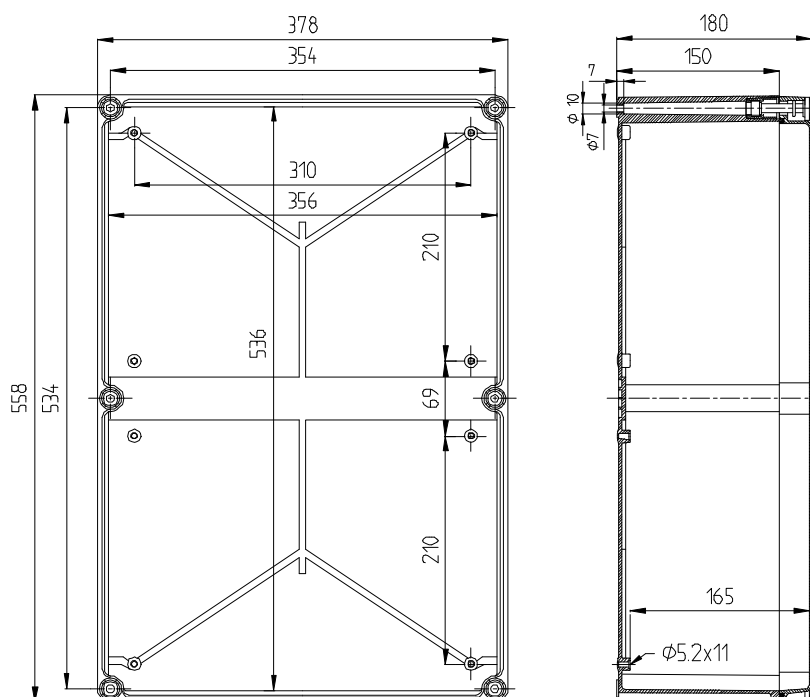
APPROVALS:

USA: NEMA 4, 4X, 12, 13; UL 94-HB

EURO: IP 67; UL 94-HB

OTHERS: IEC 529, CE, EEI

FIBOX SOLID ABS



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