

Таблица за различните твърдости

Сила на	Vickers	Brinell	Rockwell твърдост							
огъване	твърдост	твърдост			K	OCKW	en m	върдос	J1'	
755	235	223								·
770	240	228	98,1	114,3	20,3	60,7	40,3	63,6	41,7	19,9
785	245	233			21,3	61,2	41,1	70,1	42,5	21,1
800	250	238	99,5	115,1	22,2	61,6	41,7	70,6	43,4	22,2
820	255	242			23,1	62,0	42,2	71,1	44,2	23,2
835	260	247	101		24,0	62,4	43,1	71,6	45,0	24,3
850	265	252			24,8	62,7	43,7	72,1	45,7	25,2
865	270	257	102		25,6	63,1	44,3	72,6	46,4	26,2
880	275	261		:	26,4	63,5	44,9	73,0	47,2	27,1
900	280	266	104		27,1	63,8	45,3	73,4	47,8	27,9
915	285	271			27,8	64,2	46,0	73,8	48,4	28,7
930	290	276	105		28,5	64,5	46,5	74,2	49,0	29,5
950	295	280			29,2	64,8	47,1	74,6	49,7	30,4
965	300	285			29,8	65,2	47,5	74,9	50,2	31,1
995	310	295			31,0	65,8	48,4	75,6	51,3	32,5
1030	320	304			32,2	66,4	49,4	76,2	52,3	33,9
1060	330	314			33,3	67,0	50,2	76,8	53,6	35,2
1095	340	323			34,4	67,6	51,1	77,4	54,4	36,5
1125	350	333			35,5	68,1	51,9	78,0	55,4	36,5
1155	360	342			36,6	68,7	52,8	78,6	56,4	39,1
1190	370	352			37,7	69,2	53,6	79,2	57,4	40,4
1220	380	361			38,8	69,8	54,4	79,8	58,4	41,7
1255	390	371			39,8	70,3	55,3	80,3	59,3	42,9
1290	400	380			40,8	70,8	56,0	80,8	60,2	44,1
1320	410	390			41,8	71,4	56,8	81,4	61,1	45,3
1350	420	399			42,7	71,8	57,5	81,8	61,9	46,4
1385	430	409			43,6	72,3	58,2	82,3	63,7	47,4
1420	440	418			44,5	72,8	58,8	82,8	63,5	49,4
1485	460	437			46,1	73,6	60,1	83,6	64,9	50,4
1520	470	447			46,9	74,1	60,7	83,9	65,7	51,3
1555	480	456			47,7	74,5	61,3	84,3	66,4	52,2
1595	490	466			48,4	74,9	61,6	84,7	67,1	53,1
1630	500	475			49,1	75,3	62,2	85,0	67,7	53,9
1665	510	485			49,8	75,7	62,9	85,4	68,3	54,7

ВЯРНО С ОРИГИНАЛА





Таблица за различните твърдости

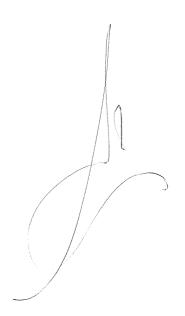
Сила на огъване	Vickers твърдост	Brinell твърдост	Rockwell твърдост							
1700	520	494		50,5	76,1	63,5	85,7	69,0	55,6	
1740	530	504		51,1	76,7	64,4	86,3	70,0	57,0	
1810	550	523		52,3	77,0	64,8	86,6	70,5	57,8	
1845	560	532		53,0	77,4	65,4	86,9	71,2	58,6	
1880	570	542		53,6	77,8	65,8	87,2	71,7	59,3	
1920	580	551		54,1	78,0	66,2	87,5	72,1	59,9	
1955	590	561		54,7	78,4	66,7	87,8	72,7	60,5	
1995	600	570		55,2	78,6	67,0	88,0	73,2	61,2	
2030	610	580		55,7	78,9	67,5	88,2	73,7	61,7	
2070	620	589		56,3	79,2	67,9	88,5	74,2	62,4	
2105	630	599		56,8	79,5	68,3	88,8	74,6	63,0	
2145	640	608		57,3	79,8	68,7	89,0	75,1	63,5	
2189	650	519		57,8	80,0	69,0	89,2	75,5	64,1	
	660			58,3	80,3	69,4	89,5	75,9	64,7	
	670			58,8	80,6	69,8	89,7	76,4	65,3	
	680	11 14 14 14 14		59,2	80,8	70,1	89,8	76,8	65,7	
	690			59,7	81,1	70,5	90,1	77,2	66,2	
	700			60,1	81,3	70,8	90,3	77,6	66,7	
	720			61,0	81,8	71,5	90,7	78,4	67,7	
	740			61,8	82,2	72,1	91,0	79,1	68,6	
	760			62,5	82,6	72,6	91,2	79,7	69,4	
	780			63,3	83,0	73,3	91,5	80,4	70,2	
	800			64,0	83,4	73,8	91,8	81,1	71,0	
	820			64,7	83,8	74,3	92,1	81,7	71,8	
	840			65,3	84,1	74,8	92,3	82,2	72,2	
	860			65,9	84,4	75,3	92,5	82,7	73,1	
	880			66,4	84,7	75,7	92,7	83,1	73,6	
	900			67,0	85,0	76,1	92,9	83,6	74,2 ~	

ВЯРНО С ОРИГИНАЛА





Приложение № 9







Solid acrylic sheet

marcrylfs



The versatility, ease of fabrication and scratch resistance of Marcryl FS acrylic sheet make it the perfect choice for use in interior design, point of sale and display applications.

marcrylfs

BRETT MARTIN

Plastic Sheets



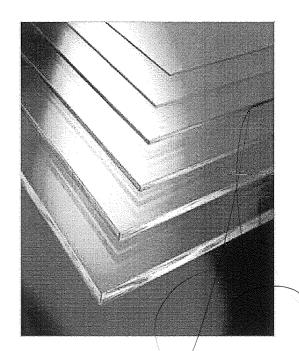
MARCRYL FS IS A TOP QUALITY ACRYLIC SHEET, WITH A HIGH GLOSS FINISH THAT OFFERS A COMBINATION OF EXCELLENT OPTICAL CLARITY AND WEATHERABLITY AT ONLY HALF THE WEIGHT OF GLASS. STRICT PRODUCTION AND QUALITY CONTROL ENSURE A HIGHLY CONSISTENT PREMIUM PRODUCT SUITABLE FOR A WIDE VARIETY OF APPLICATIONS IN THE DISPLAY, FABRICATION AND BUILDING INDUSTRIES.

marcrylfs

SOLID ACRYLIC SHEET

Marcryl FS high gloss acrylic sheet offers a combination of excellent optical clarity and weatherability at only half the weight of glass.







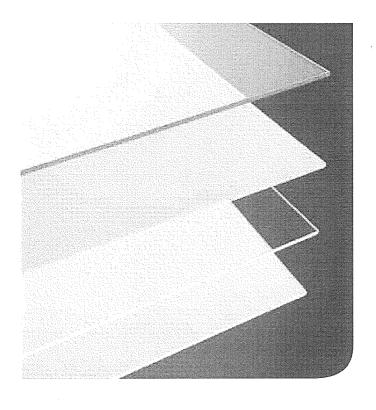




marcrylfs

Solid Acrylic Sheet

MARCRYL FS INCLUDES A PORTFOLIO OF CLEAR TRANSPARENT, OPAL AND SILICA GREEN ACRYLIC SHEETS IN A RANGE OF DIFFERENT THICKNESSES TO SUITE ENDLESS APPLICATION POSSIBILITIES IN THE SIGN & DISPLAY AND BUILDING INDUSTRIES. THE MATERIAL OFFERS EXCELLENT IMPACT STRENGTH AND HAS A GOOD STRETCH RESISTANCE, YET IT IS LIGHT IN WEIGHT AND EASY TO HANDLE.



MAIN BENEFITS

- Up to 92% light transmission (3mm clear)
- Good light diffusion (opal)
- Easy to fabricate with excellent thermoforming capabilities
- * Easy to mount
- Good scratch resistance, polishing removes scratches easily
- UV stable
- Outstanding weatherability & resistance to high temperatures
- Weight savings over glass
- Good thermal insulation
- · High gloss finish
- · Inert to many corrosive materials
- · Can be cold curved to certain minimum radii
- · High break resistance
- · Limited 10 year warranty





www.brettmartin.com

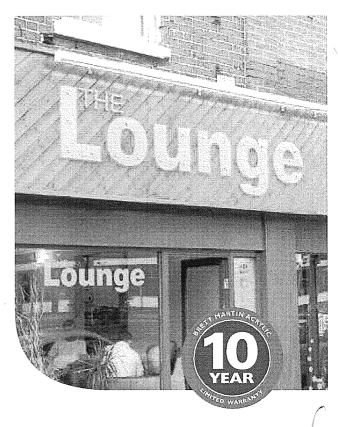
Key benefit is the exceptional optical clarity it provides, offering a light transmission of 92%. Combined with a high quality surface, Marcryl FS is particularly suitable for those projects that require high transparency and impact strength including glazing, machine guards, poster covers, partition walls and interior design projects. In addition, the high light transmission make the product ideal for use in the retail sector, especially for point of sale displays.

Another key benefit is the easy of fabrication and excellent thermoforming capabilities it offers. The material can be easily bent and formed into shapes to meet different design requirements. The gloss and shiny finish gives the material a bright feel, whilst visual stunning effects can be achieved by polishing the edges. This combination of attributes make Marcryl FS the perfect choice for product displays, point of purchase displays, store fixtures, shelving, furniture and interior design projects.

In addition to the clear transparent finish, Marcryl FS is also available in an opal and silica green finish. The gloss, opal surface provides excellent light transmission and can be used for dramatic lighting effects. The silica green option comes with a green edge which looks like tempered glass, especially after edge polishing.







TYPICAL APPLICATIONS

Print & Display

- · Illuminated & non-illuminated signage
- Displays
- Point of purchase/sale
- · Poster covers
- Menu boards
- * Store fixtures
- · 3-Dimensional signs & displays

Fabrication

- Glazing
- · Light fittings
- * Decoration
- Furniture
- · Interior design projects
- ^a Picture framing
- · High traffic acoustic barriers

OPTIONS

Colours and tints: Clear and specials including Opal & Silica Green Up to 2050mm

Widths:

2, 3, 4, 5, 6, 8 & 10mm Thicknesses:

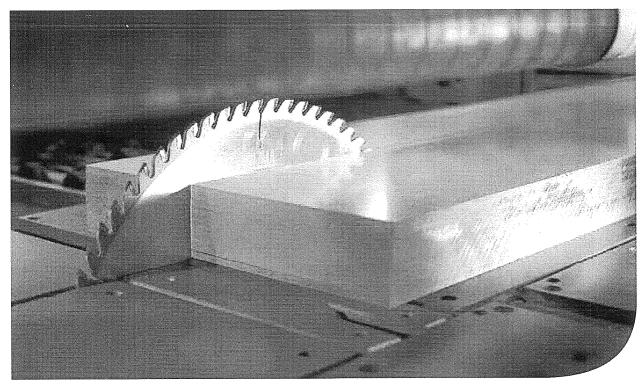
Special options are available on request Options*:

*Subject to request. Minimum order quantities may apply. Please contact Brett Martin for further information,









Fabrication Guidelines

MACHINING & MILLING

Marcryl FS is easy to work with using most standard workshop equipment and can be machined on conventional high-speed milling machines. To ensure the best quality results, tool speed should be kept at the optimum level possible without causing the sheet to overheat (cooling measures can also be taken, such as an air jet directed at the cutting edge), with cutting tools always kept sharp.

sawing & cutting

Hand, band, circular and jigsaws can be used to cut Marcryl FS.

- Hand saw It is difficult and time-consuming to produce good edge finishes with a hand saw but it is possible.
- Band saw Useful tool for cutting Marcryl FS before final finishing, or to cut thick sheets.
- Circular saw Accurate and smooth edges are possible, with the material being fed through slowly.
- Laser cutting Allows complex shapes to be cut accurately to produce a finish product, with little or no need for any final polishing.

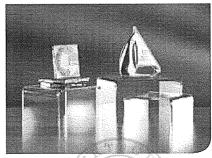
DRILLING

Drill bits specially designed for acrylic are recommended but any commercially available drill for wood or metal can also be used.

When these are being used, it is advisable to grind small flat areas on to two cutting edges and use a slower speed and feed rate. Always ensure the material is well clamped to prevent movement.

BENDING & ANNEALING

Straight line bends are possible using electrical strip heaters applied locally along the bend line, then allowing the sheet to cool naturally in its new shape. Before any further processes such as printing occur, annealing in an air circulation oven may be required to relieve internal stresses.







Plastic Sheets



THERMOFORMING

Marcryl FS can be highly stretched at relatively low temperatures. The forming process can occur more slowly, as it is of a rubbery nature and the surface quality of the semi-finished material is largely retained.

Methods of thermoforming used on Marcryl FS include:

- Vacuum forming
- A versatile method of forming, generally used for simple shapes.
- Drape forming

Can be used to produce designs of greater depth than vacuum forming.

Mould forming

Uses two moulds, producing more accurate shapes.

Free forming

No mark-off is created with this method.

When using thermoplastic moulding techniques the material should be heated to $140 - 170^{\circ}$ C, some experimentation may be required to maintain the good optical quality of the surface.

IT IS RECOMMENDED THAT THE PROTECTIVE FILM
IS REMOVED BEFORE PRE-DRYING OR THERMOFORMING
AS HEATING MAY RESULT
IN IT ADHERING TO THE SHEET.

- It may be possible to dispense with pre-drying if the protective film remains intact and the material has been stored correctly.
- Pre-drying is not normally required when line bending or if fast, effective heating is used.
- If required, pre-drying at 75-80°C for 24 hours is adequate.
- Thermoforming should be carried out as soon as possible after pre-drying, as re-absorption of moisture will occur.
- Material should be heated to 140-170°C some experimentation may be required to maintain the good optical quality of the surface.
- Material should be heated for as short a time and to the lowest temperature practicable – the material begins to degrade at temperatures above 200°C, which can lead to flammable gases.
- Uniform heating over the whole sheet will help achieve good results.
- Stress can be generated by thermoforming at too low a temperature or poor mould design.
- Inherent stress can be relieved by heating the component from room temperature slowly (18°C per hour) to 70-85°C.
- This temperature should be maintained for 1 hour up to 3mm thickness, 2 hours up to 6mm thickness and 3 hours up to 12mm thickness.
- ${}^{\bullet}$ The component should then be cooled slowly (12°C per hour) to room temperature.

BONDING

Marcryl FS sheets can be joined together using a variety of methods and tools. These include solvents, cements and adhesives. The sheets can also be welded using many of the standard methods - nuts, bolts and screws are also frequently used to join sheets.

ROUTING, ENGRAVING & SANDING

Excellent results can be achieved on Marcryl FS with routing and engraving techniques, and sanding will easily and effectively remove any scratches that occur during the fabrication process.

POLISHING

Various methods of polishing can be used on Marcryl FS. This can simply be abrasive or hand polishing to restore Marcryl FS' high gloss appearance after fabrication or sanding, or more intensive machine polishing. Flame polishing creates a bright, shiny edge finish and is particularly effective on silica green material.

PRINTING & VINYL APPLICATION

Screen printing is a common method of printing on flat surfaces of Marcryl FS sheets which gives clear, bright colours and which still allows the sheets to be thermoformed afterwards. As the ink will not soak into the sheets as it would with paper or boards, the printing can be damaged by scratching and abrasion and it is recommended that a light coat of clear lacquer is used to protect the surface print. Only inks and varnishes suitable for acrylic should be used. This also applies to the use of adhesive vinyls, and care should be taken to prepare the sheet surface correctly before proceeding.

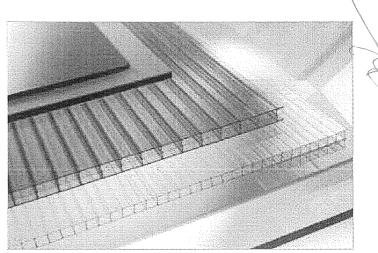
INSTALLATION

Marcryl FS sheets are often mounted into frames and care must be taken to avoid breakage or distortion. The sheets have a high coefficient of thermal expansion and therefore sufficient space must be left for expansion, both of the sheet itself and any fixing holes needed.

STORAGE

The edges of Marcryl FS sheets can be quite sharp and gloves should be worn when handling. Sheets should be kept in a dry storage area and preferably covered, to avoid any absorption of moisture. Although they can be stored on their edges, it is recommended that they are kept flat on their delivery pallets.





Brett Martin's plastic sheets product range includes extensive options in foam PVC, polycarbonate, PVC, acrylic, aPET, PETg, SAN and styrene.





Plastic Sheets

Head Office and Global Sales Brett Martin Plastic Sheets 24 Roughfort Road, Mallusk, Co. Antrim Northern Ireland BT36 4RB

Tel: +44 (0) 28 9084 9999 Fax: +44 (0) 28 9083 6666 Email: mail@brettmartin.com

For the latest information visit the company's web site: www.brettmartin.com

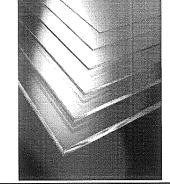
DSI 150 Gorder Mar-operator

A STATE OF THE STA

All reasonable care has been taken in the compilation of the information contained within this literature. All recommendations on the use of our figure of management and exercise as conditions of use are beyond the control of Breit Martin. It is the customer's responsibility to ensure that the product is fit for its intended purpose and that the actual distinctions of use are smaller. Breit Martin pursues a policy of continuous product development and reserves the right to amend specifications without prior notice.

PRODUCT DATA SHEET





MATERIAL PROPERTIES

TYPICAL PROPERTIES OF MARLON POLYCARBONATE RESINS								
	TEST	METHO	D	VALUE	UNIT			
	DIN	ASTM	ISO					
PHYSICAL								
Density	53479	D 792	R 1183	1.19	g/cm ³			
Water absorption	53495: A		62	30	mg			
OPTICAL	200 AP 1		,		T-:-			
Transmittance (3mm thick material in the visible range)	5036 Part 3			92	%			
Haze		D 1003		1-3	%			
Refractive index (n _D)			489	1.491				
THERMAL			1		T =			
Heat distortion temperatures Method B (0.45 MPa)	53461	D 648	75	95	°C			
Heat distortion temperatures Method A (1.81 MPa)	53461	D 648	75	90	°C			
Specific heat		0.477		1.47	J/kg.K			
Thermal conductivity	52612	C 177		0.19	W/K.m			
Coefficient of thermal expansion	53752-A 53460		306	0.07 102	mm/m°C			
Vicat softening point (B/50)	53460		1 300 [102	190			
FLAMMABILITY RATINGS	4400	Ι	T T	B2	1			
Material thickness > 1.5mm	4102			BZ	1			
MECHANICAL 1000	53455	D 638	R 527	100	MPa			
Tensile strength a) -40°C	53455	D 638	R 527	72	MPa			
Tensile strength b) 23°C	53455	D 638	R 527	35	MPa			
Tensile strength b) 70°C	53455	D 638	R 527	4.5	%			
Elongation at break	53455	D 790	178	105	MPa			
Flexural strength	53454	D 790 D 695	R 604	103	MPa			
Compressive yield stress	53454	D 695	180	1.6	kJ/m²			
Izod Impact strength, standard			180	2.6	kJ/m ²			
Izod Impact strength, impact modified			179/1eA	0.94	kJ/m²			
Charpy impact strength, standard								
Charpy impact strength, impact modified			179/1eA	2.7	kJ/m²			
Charpy notched impact strength, 23°C			179	50	kJ/m²			
Ball indentation hardness (H961/30)			2039/2	175	MPa			
Taber abrasion resistance (100rev.;5.4N;CS-10F)			9352	20-30	% haze			
ELECTRICAL	100				AL			
Dielectric strength, 1mm sample thickness	VDE 030:			30	kV/mm			
Volume resistivity	VDE 030:		IEC 93	>10 ¹⁵	Ω/cm			
Dissipation constant at 50 Hz	VDE 030		IEC 250	0.06				
Dissipation constant at 0.1 kHz	VDE 030		IEC 250	0.03	1_/			
Surface resistivity	VDE 0303 pt 3		IEC 93	5.10 ¹³	Ω /			
Tracking CTI, 2 mm	VDE 030	s pt 1	IEC 112	KC>600	_1/			

НА ОСНОВАНИЕ ЧЛ. 2 ОТ ЗЗЛД

REF COD 26,08,201



Brett Martin Ltd. pursues a policy of continuous product development and/reserves the right to amend specifications without notice.

Brett Martin Ltd., 24 Roughfort Road, Mallusk, Co. Antrim, N. Ireland, BT36 4RD DVF. Tel: +44 (0)28 9084 9999 Fax: +44 (0)28 9083 6666 E-mail: technical@brettmartin.com

Plastic Sheets

www.brettmartin.com

Приложение № 10



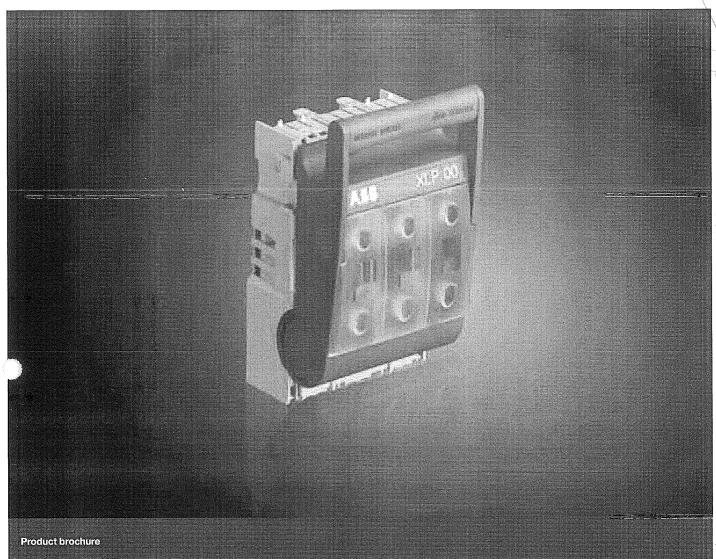


ABB Fusegear EasyLine Fuse switch disconnector

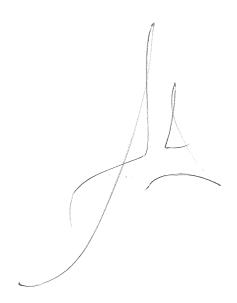
Power and productivity for a better world™



Content



Fuse protection '	4
Technical Data	Ę
General	6
Apparatus overview	7
Electronic Fuse Monitor (EFM)	12
Busbar adapters	13
Cable clamps and bolts	15
Ordering tables	17
Dimensional drawings	2





Fuse protection Easy and reliable



The fuse is a superior short circuit protection element regarding the maximum allowed cut-off current (peak let through current) and energy value.

This is more important the higher the voltage and prospective fault levels are. The SlimLine switch disconnector fuse fulfil the highest requirements for modern switch fuses with a total safety concept. The switch fuses are tested according to the EN 60947-3 standard with more stringent requirements for isolation, making, performance and safety. The fuse rails are tested according to IEC 60269-2-1.

The melting curves and current limiting diagrams for NH fuse links are given in the IEC 269-2 standard. The standardised fuse characteristics and high degree of current limitation ensure that there is a simple and effective co-ordination with fuse links and other devices.

Fuse links provide a simple procedure for selecting the right fuse type for your installation, without complicated calculations or calculation tools. Fuses prevent "blackouts". Only the fuse nearest a fault trips without upstream fuses (feeders or mins) being affected. Fuses thus provide selective coordination.

When more power is needed in an installation, more feeders can be added without changing the present structure or any new selectivity calculations. Fuse links will assure selectivity in the installation by 1,6:1 difference in the rated current.

Economical installation

Lifetime costs of fuse systems are low. Fuse links which can withstand a high fault level and a fault current, are available at economical prices.

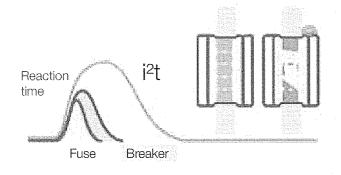
After fuse operation, only the fuse link has to be changed. Because the fuse links can be rapidly and easilyreplaced, plant down time and maintenance are substantially reduced with a fuse link system.

Because the fusing elements operate in a cylinder, they are not affected by their surroundings. Thus their protecting characteristics remain stable year after year. The dynamic stress on the network and its equipment is dependent of the let through energy (i2t) at a short circuit. The fuse link provides the best protection compared to other solutions, at high short circuit currents.

As the fuse link body is filled with quartz sand, there will be no emission of gases or arcs when a short circuit occurs. This again leads to less stress on the network and a higher degree of personal safety.

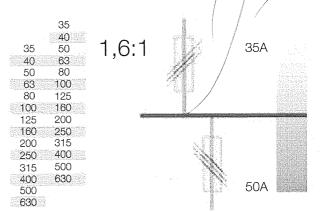
Fuse protection - Easy and reliable

- Economical installation
- Easy and economical selectivity
- No need for calculation tools
- No need to change the present structure when power is needed
- No moving parts
- No extra operation time
- No arc space
- No emission of gasses at short circuits



No moving parts

- No extra operation time



No need for calculation tools

- Easy and economical selectivity





Technical Data EasyLine - Fuse Switch Disconnector



3 - pole

Туре			XLP000)	XLP00		XLP1		XLP2		XLP3		
For NH fuse links acc. to IEC60269-2-1		000 max width = 21mm			00		1		2		3		
Rated operational voltage U _e	(V)	400	500	690	400	500	690	500	690	500	690	500	690
Rated operational current le	(A)	80	100	50	125	160	125	250	200	400	315	630	500
Thermal current with fuse link I _{th}	(A)	100		160		250		400		630			
Rated insulation voltage Ui	(V)	690			1000		1000		1000		1000		
Rated impulse withstand voltage U _{imp}	(kV)		6	6		8		8		8		8	
Fuse protected short circuit making	(kArms)		50	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	50		50		50		50		
Rated making and breaking capacity		AC23B	AC22B	AC21B	AC23B	AC22B	AC21B	AC23B	AC22B	AC23B	AC22B	AC23B	AC22B
Rated frequency	(Hz)		50 - 60	*****		50- 60	i	50	- 60	50 -	- 60	50	- 60
Power loss at Ith without fuse link/per phase	(VV)		1,4W		3,5W		7,5W		13W		24W		
Electrical durability		300		200		•	200		200		200		
Mechanical durability		1700		1400		****************	1400		800		800		
Degree of protection from the front acc. to	Open		IP20			IP20	••••••	IΡ	20	ΙP	20	IP	20
IEC60529 *)	Closed		IP30			IP30		IP.	30	IP	30	IP	30

4 - pole

Туре	SLP00	SLP-K1	SLP-K2	SLP-K3	
For NH fuse links acc. to IEC60269-2-1		00	1	2	3
Rated operational voltage Ue	(V)	400	400	400	400
Rated operational current le	(A)	160	250	400	630
Rated insulation voltage Ui	(V)	1000	1000	1000	1000
Rated impulse withstand voltage Uimp	(kV)	8	8	8	8
Fuse protected short circuit making	(kArms)	50	50	50	50
Rated making and breaking capacity		AC22B	AC22B	AC22B	AC22B
Rated frequency	(Hz)	50 - 60	50 - 60	50 - 60	50 - 60
Degree of protection from the front acc.	Open	IP20	IP20	IP20	IP20
to IEC60529 *)	Closed	IP30	IP30	IP30	IP30

The products are designed and tested in accordance with IEC / EN 60947-3 $\,$



General Product presentation



Properties of the EasyLine - XLP:

- Compact XLP000
- Typetested according to EN IEC 60947-3
- Fullfills BGV A2
- Easy to recycle / EN ISO 14001 standards
- · Quick-make operation device
- Integrated IP 20 cable termination
- IP 30 degree of protection from the front
- Replacement compatible to similar types in the market
- Voltage measuring from the front
- V-0 plastic materials

Advantages of the EasyLine - XLP:

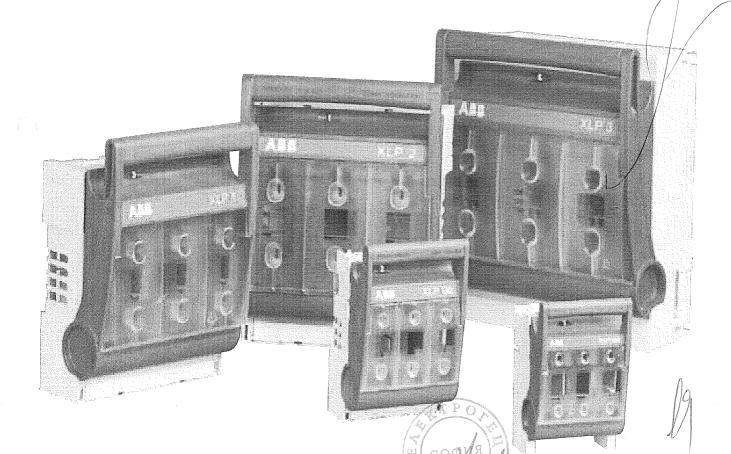
- Easy to install
- Easy to snap on DIN rails
- Easy to operate
- Easy to understand
- Modern cable terminals
- Modern and functional design
- · Additional arc protection shroud in front cover
 - increased personal safety
- Wide range of modern cable clamps and accessories
- Electronice fuse monitoring (EFM)
- Wide range of busbar adapters to 40mm and 60mm

3 - pole:

0	XLP000	100 Amp
9	XLP00	1,60 Amp
9	XLP1	250 Amp
0	XLP2	400 Amp
	VI D3	630 Amn

4 - pole:

0	SLP00	160 Amp
•	SLP1	250 Amp
	SLP2	400 Amp
•	SLP3	630 Amp



Apparatus overview XLP000 (3-pole)



100 A·

- Compact design for NH 00 compact fuses up to 100 A (width = 21mm)
- Modern integrated cable clamps for 1,5 35 mm² cables
- Integrated cable shrouds IP 20
- Snap on for DIN rail mounting (accessory)

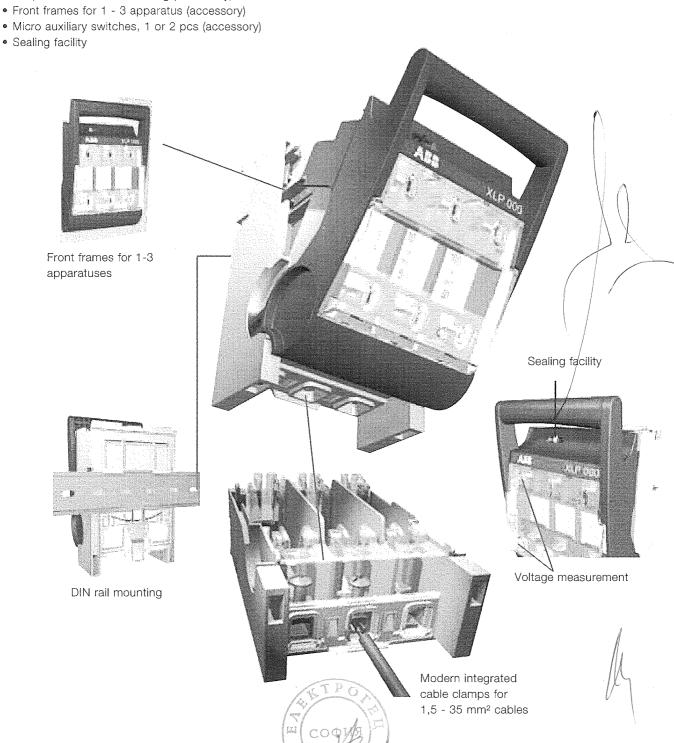


ABB Fusegear | EasyLine Fuse Switch Disconnector

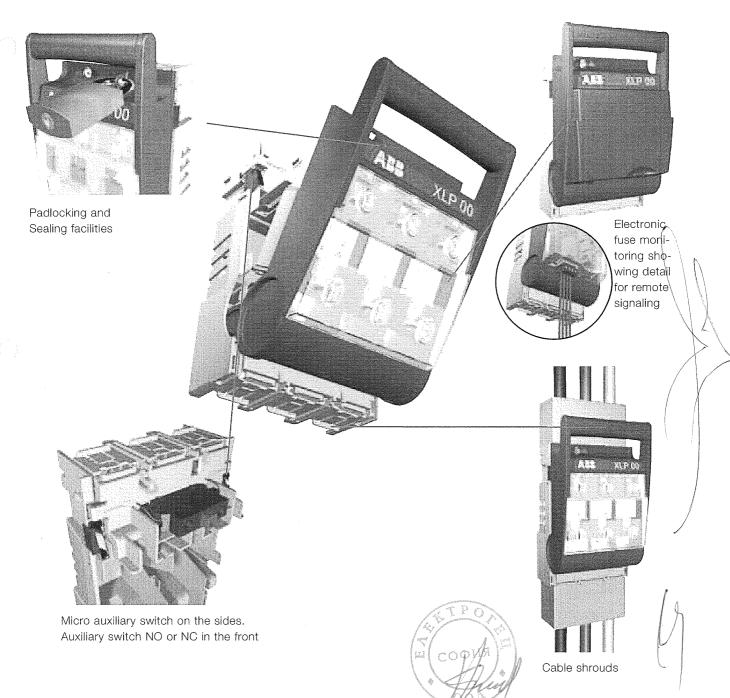
Apparatus overview XLP00 (3-pole)



160 A

- Electronic fuse monitoring (EFM)
- Micro auxilliary switches, 1 or 2 pcs
- Auxilliary switches, 1 NO or 1 NC acc. to IEC 60947-5-1
- Cable shrouds
- Wide range of cable terminal clamps (See page 14)
- Front frames for 1-3 apparatus

- Kit for double DIN rail mounting
- Adapter for 40 and 60 mm busbar distance.
- · Padlocking facility
- · Sealing facility





EU Declaration of Conformity

EU Konformitätserklärung Déclaration UE de conformité Dichiarazione di conformità UE

This declaration of conformity is issued under the sole responsibility of the manufacturer

Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller / La présente déclaration de conformité est établie sous la seule responsabilité du fabricant / La presente dichiarazione di conformità è rilasciata sotto la responsabilità esclusiva del fabbricante

ABB Oy, Protection and Connection P.O.Box 622, Muottitie 2A FI-65101 Vaasa **Finland**

Object of declaration

Gegenstand der Erklärung / Objet de la déclaration / Oggetto della dichiarazione

Fuse-Switch-Disconnector / Sicherungslastschaltleiste / Interrupteur-sectionneur à fusibles / Sezionatori con fusibili

Type / Typ / Type / Tipo XLP000, XLP00, XLP1, XLP2, XLP3

The object of this declaration is in conformity with the relevant Community harmonisation legislation Der oben beschriebene Gegenstand der Erklärung erfüllt die einschlägigen / Harmonisierungsrechtsvorschriften der Gemeinschaft / L'objet de la déclaration décrit ci-dessus est conforme à la législation communautaire d'harmonisation applicable / L'oggetto della dichiarazione di cui sopra è conforme alla pertinente normativa comunitaria di armonizzazione

Low Voltage Directive / Niederspannungsrichtlinie / Directive basse tension / Direttiva Bassa Tensione No. 2014/35/EU

EMC Directive / EMV-Richtlinie / Directive CEM / Direttiva EMC No. 2014/30/EU

and are in conformity with the following harmonized standards or other normative documents nachgewiesen durch die Einhaltung der nachstehend aufgeführten Normen oder anderen normativen Dokumenten / et justifié par le respect des Normes mentionnées ci-dessous ou autres documents normatifs / e sono stati applicati le norme o altri documenti normativi indicati di seguito

IEC60947-1:2007/A1:2010/A2:2014

EN60947-1:2007/A1:2011/A2:2014

IEC60947-3:2008/A1:2012

EN60947-3:2009/A1:2012

Year of CE-marking: 2003

Jahr der CE-Kennzeichnung / Année d'apposition du marquage CE / Anno in cui è stata affissa la marcatura

Signed for and on behalf of

Unterzeichnet für und im Namen von / Signé par et au nom de / Firmato in vece e per conto di

ABB Oy, Protection and Connection, Vaasa, 12 April НА ОСНОВАНИЕ ЧЛ. 2 ОТ ЗЗЛД

НА ОСНОВАНИЕ ЧЛ. 2 ОТ ЗЗЛД

Antonio Di Vaira R&D Manager

JALKI IZOIARSSIO

Quality Manager

вярно С ОРИГИНАЛА

Document No.: 1SEP500050P0001 Rev: C (2016-04)

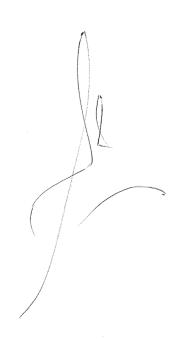
ABB Ov



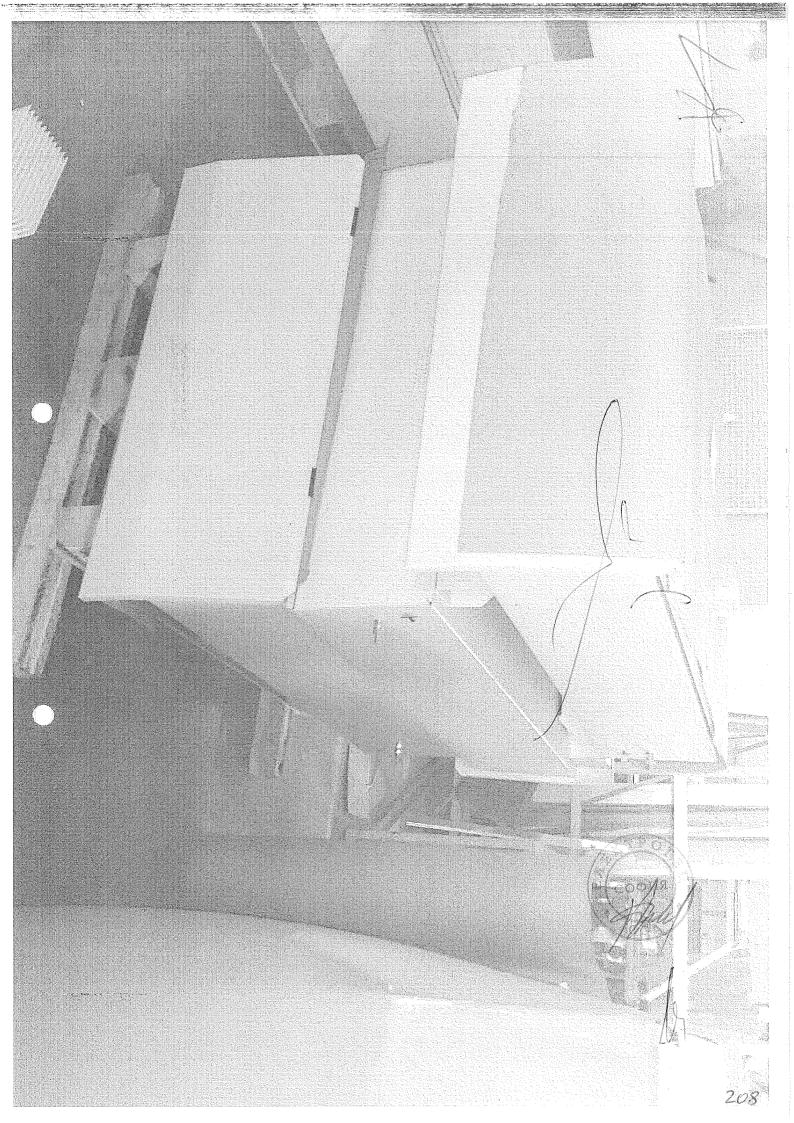




Приложение № 11

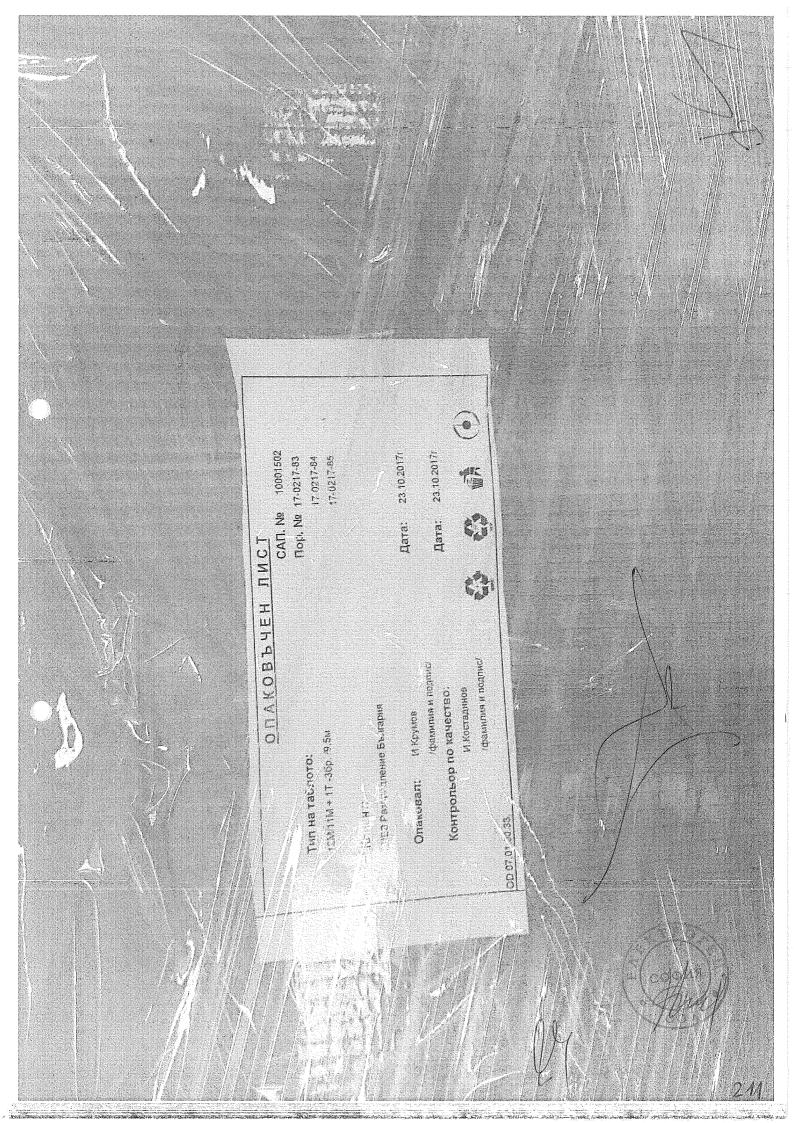














СРОКОВЕ ЗА ДОСТАВКА

Nº	Наименование	Мярка	Количество със срок на доставка до 7 кал. дни	Количество със срок на доставка до 30 кал. дни
1	2	3	4	5
1	Метално електромерно табло, за стълб с височина - 9,5 m, за директно измерване, 4M/2M+2T;	бр.	10	35
2	Метално електромерно табло, за стълб с височина - 9,5 m, за директно измерване, 9M/8M+1T;	бр.	5	15
3	Метално електромерно табло, за стълб с височина - 9,5 m, за директно измерване, 12M/11M+1T.	бр.	2	5
4	Метално електромерно табло, за стълб с височина - 13 m, за директно измерване, 4M/2M+2T;	бр.	10	35
5	Метално електромерно табло, за стълб с височина - 13 m, за директно измерване, 9M/8M+1T;	бр.	5	15
6	Метално електромерно табло, за стълб с височина - 13 m, за директно измерване, 12M/11M+1T.	бр.	2	5

Забележки:

- 1/ Срокът на доставките започва да тече от датата на изпращане на поръчката.
- 2/ Количествата в колона 4, със срок на доставка до 7 /седем/ календарни дни, се доставят след SAP поръчка до посочените в обявлението складове на Възложителя за покриване на спещни нужди на Възложителя.

Възложителят може до поръчва посоченото спешно количество веднъж месечно.

- 3/ В случай, че крайният срок на доставката съвпада с празничен или неработен ден, то доставката се извършва не по-късно от първия работен ден след изтичането на срока.
- 4/ При поръчки на Възложителя на количества в рамките на потвърдените от Изпълнителя и недоставени в посочените срокове, ще бъдат налагани неустойки, съгласно условията на договора.
 - 5/ Възложителят може да поръча количества по-малки от посочените в колони 4 и 5.
- 6/ Възложителят може да поръчва количества по-високи от посочените в колони 4 и 5, като-товаобстоятелство ще бъде посочено текстово в съответната поръчка изпратена към Изпълнителя. С потвърждението на поръчката, Изпълнителят вписва в същата очаквана дата за доставка на количествата надвишаващи посочените в колони 4 и 5.
 - 7/ Количествата за доставка в колони 4 и 5 са отделни и независими едно от друго.
- 8/ Количествата за доставка в колона 5 не включват в себе си количествата за доставка в колона 4.
- 9/ Възложителят има право да направи едновременно поръчки за доставка на количества от колони 4 и 5.

Дата 10.11.2017 г.

ПОДПИС и ПЕЧАТ:

ГЕОРГИ ГЕ (име и

Управител

(длъжност на представляващия участника)

НА ОСНОВАНИЕ ЧЛ. 2 ОТ ЗЗЛД

OOD