



ELECTRICAL SAFETY
OF STREET LIGHT

FUSE LINKS FOR STREET LIGHT PROTECTION



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MERSEN PROFILE & RANGE MAPPING

Expertise in Power Protection

Mersen, a global expert in electrical power and advanced materials, designs innovative solutions to address its client's specific needs to enable them to optimize their manufacturing performance in sectors such as energy, transportation, electronics, chemicals, pharmaceuticals and process industries.

Mersen is a world leader in fuse technology and has a powerful presence in the circuit protection market. Mersen Electrical Protection and Control business unit offers innovative solutions to enhance the safety of low voltage installations and equipment.

Above and beyond the supply of products, the company also provides added value in the form of technical support for OEMs, electrical contractors, panel builders, plant maintenance departments and utilities.

As a global player, Mersen has established production facilities on every continent to optimize the availability of products (France, Tunisia, United States, Canada, Mexico, India, Japan and P.R. of China). All these locations are united around a global quality, safety and environment policy.

Mersen is committed to providing world-class quality. Its products are designed, tested and approved to highest international and national safety and quality standards. The solutions ensure the integrity of the equipment, the devices protected and the safety of people working around them. To protect customer's electrical equipment and installations over long term, Mersen provides the widest range of safe & reliable electrical and thermal protection solutions.

Mersen solutions are sold all over the world at over 4500 points of sale through professional distributors of electrical common equipment.

Mersen provides high quality products in compliance with UL and BS standards. All the circuit Protection solutions shown in this catalogue are, ASTA certified and comply with the RoHS European Directive.

Mersen fuse links for Street Light Protection

The majority of existing street lighting networks are normally protected by a common Feeder Protection Device (FPD). FPD is based on a simple overcurrent unidirectional technique to protect against faults on the street lighting cables. The Mersen fuse technology ensure safety in street lighting applications by providing better coordination, immediate isolation and ensure fire safety through safe & sure fuse link.



Range Mapping

CATALOGUE NUMBER	VOLTAGE AC	AMPS	BREAKING CAPACITY kA	STANDARDS
BLD 24 V	240 V	6,10,16,20,25	16.5	IEC 60269 Pt 1 & 2, BS 88 Pt 1 & 2
BLD 24 V	240 V	30	16.5	BSHD 60269-3 (BS1361)
BMD 42 V	415 V	2,4,6,8,10,20,25,32	80.0	IEC 60269 Pt 1 & 2 BS 88 Pt 1 & 2
BLST 24 V	240 V	2,4,6,10,16,20,25,32	33.0	IEC 60269 Pt 1 & 2 BS 88 Pt 1 & 2

BLD	24 V	10	BMD	42 V	10	BLST	24 V	10
FUSE FAMILY	VOLTAGE	AMP RATING	FUSE FAMILY	VOLTAGE	AMP RATING	FUSE FAMILY	VOLTAGE	AMP RATING
	240 V	10 A		415 V	10 A		240 V	10 A

Comparison Chart for BLD/BMD/BLST Fuse Links

COMPETITORS	MERSEN	RATINGS
LD 6-25,240 V	C 3030-240 V	BLD24 V ... 6,10,16,20,25
LD 30	C 3030-240 V	BLD24 V ... 30
LST 2-32,240 V	STD 2-32,240 V	BLST24 V ... 2,4,6,10,16,20,25,32
MD 2-32,415 V	SMD 2-32,415 V	BMD42 V ... 2,4,6,8,10,16,20,25,32

REFERENCE DATA: BLD

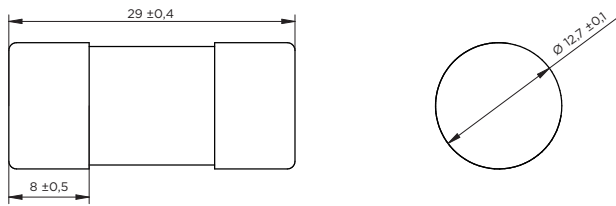
Reference Data: BLD Cylindrical Type BLD Fuse Links

Rated Voltage: 240 V ac Breaking Capacity: 16.5 kA
Full Range Protection, gG



PART REFERENCE	PART DESCRIPTIONS	VOLTAGE (VOLTS)	RATINGS (AMPS)		STANDARD PACKING
			IEC 60269-Pt 1&2	BSTD 602693 (BS 1361)	
M1065693	BLD24 V6	240V	6	--	10
N1065694	BLD24 V10		10	--	10
P1065695	BLD24 V16		16	--	10
Q1065696	BLD24 V20		20	--	10
R1065697	BLD24 V25		25	--	10
T1065699	BLD24 V30		--	30	10

Dimensions



Cylindrical Type BLD Fuse Links

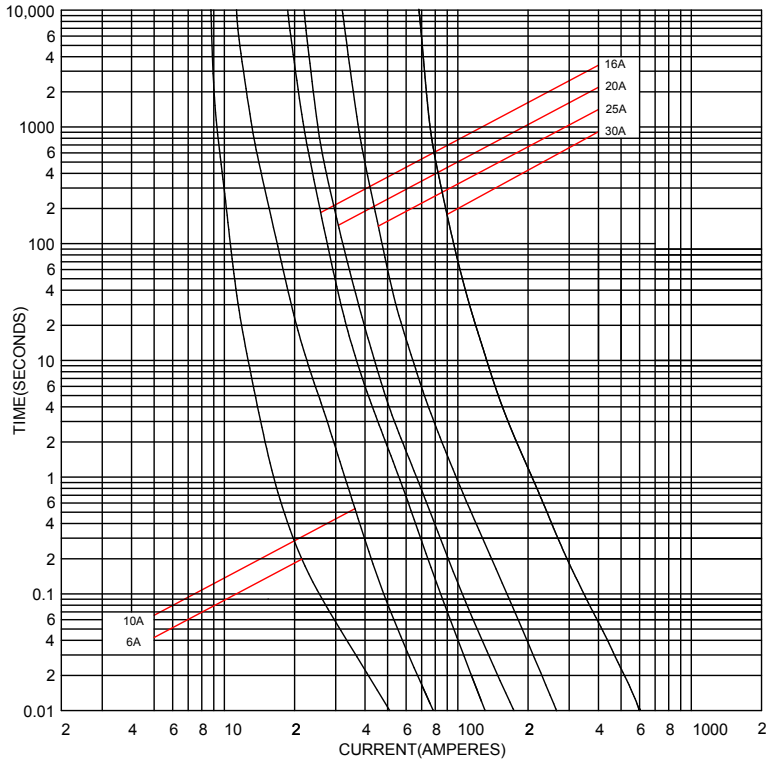
FUSE TYPE	CURRENT RATINGS AMPS	DIMENSIONS IN MM		
		A MAX	B MAX	C MAX
BLD	6,10,16,20,25,32	29.4	12.8	8.5

Electrical Characteristics:

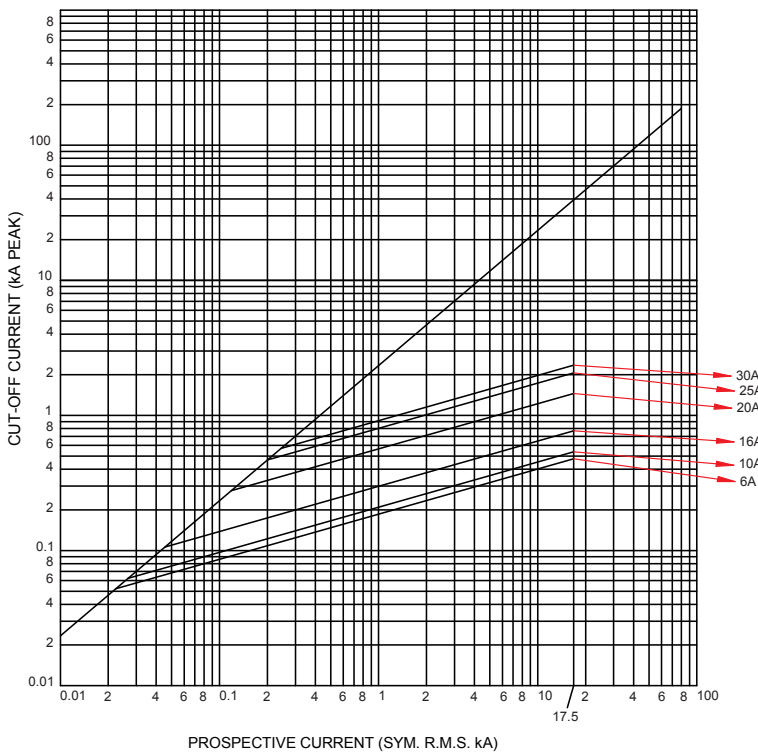
FUSE TYPE	VOLTAGE AC	CURRENT RATINGS AMPS	PRE - ARCING I ² t (AMPERE ² SECONDS)	CLEARING I ² t (AMPERE ² SECONDS)	WATT LOSS
BLD	240 V	6	13	20	1.98
		10	25	63	1.53
		16	204	510	1.54
		20	459	1148	1.54
		25	625	1563	2.14
		30	816	2041	2.85

BLD TIME CURRENT / CUT-OFF CURVE

BLD TIME CURRENT CURVES



BLD CUT-OFF CURVE



REFERENCE DATA: BMD

Reference Data: BMD

BS Cylindrical Type BMD Fuse Links

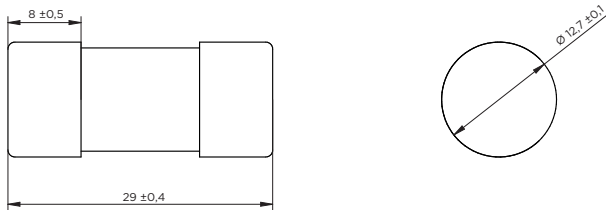
Rated Voltage: 415 V AC, Breaking Capacity: 80 kA

Full Range Protection, gG



PART REFERENCE	PART DESCRIPTIONS	VOLTAGE (VOLTS)	RATINGS (AMPS)	STANDARD PACKING
V1036973	BMD42 V2	415 V	2	10
W1036974	BMD42 V4		4	10
X1036975	BMD42 V6		6	10
P1065074	BMD42 V8		8	10
Y1036976	BMD42 V10		10	10
Z1036977	BMD42 V16		16	10
A1036978	BMD42 V20		20	10
B1036979	BMD42 V25		25	10
C1036980	BMD42 V32		32	10

Dimensions



Cylindrical Type BLD Fuse Links

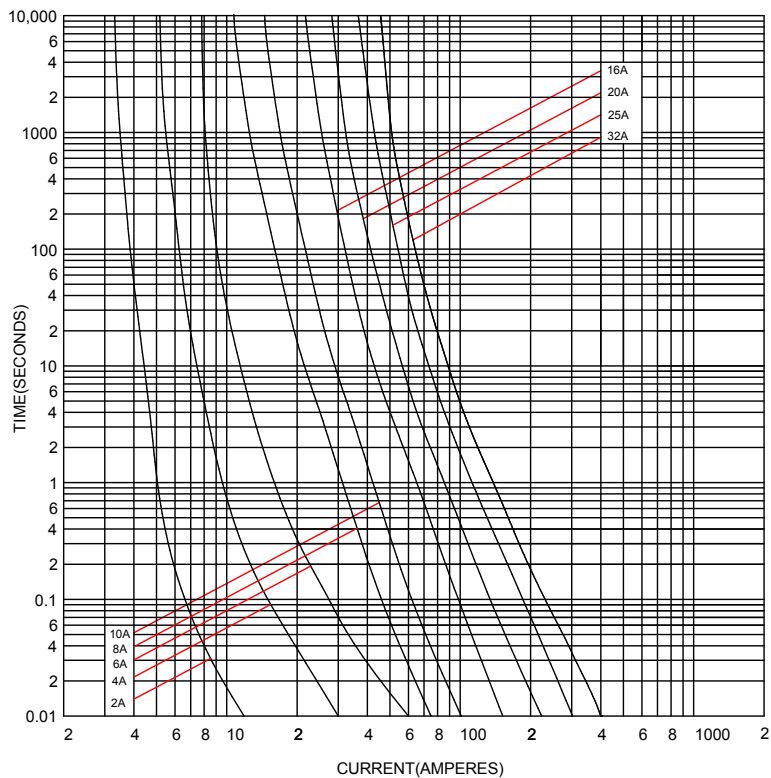
FUSE TYPE	CURRENT RATINGS AMPS	DIMENSIONS IN MM		
		A MAX	B MAX	C MAX
BMD	2,4,6,8,10,16,20,25,30,32	29.4	12.8	8.5

Electrical Characteristics:

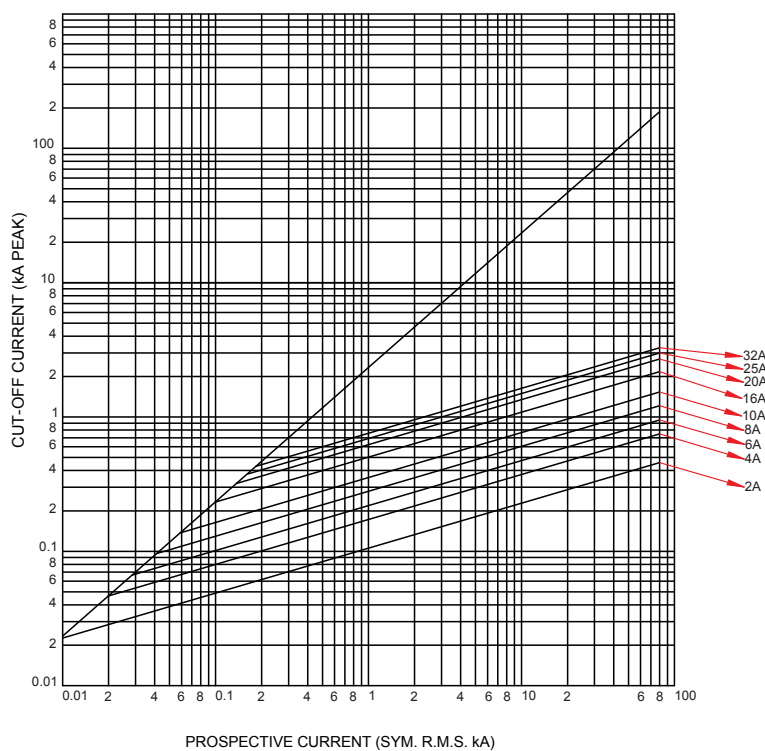
FUSE TYPE	VOLTAGE AC	CURRENT RATINGS AMPS	PRE - ARCING I ² t (AMPERE ² SECONDS)	CLEARING I ² t (AMPERE ² SECONDS)	WATT LOSS
BMD	415 V	2	1	3.5	1.17
		4	8	27	1.48
		6	22	77	1.54
		8	13	55	1.01
		10	27	113	1.42
		16	107	451	1.43
		20	241	1015	1.52
		25	428	1805	2.28
		32	668	2821	2.64

BMD TIME CURRENT / CUT-OFF CURVE

BMD TIME CURRENT CURVES



BMD CUT- OFF CURVE



REFERENCE DATA: BLST

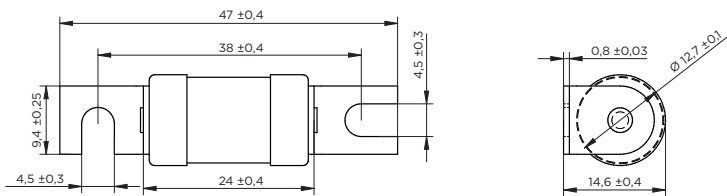
Reference Data: BLST Offset Bolted Tag BLST Fuse Links

Rated Voltage: 240V AC Breaking Capacity: 33 kA
Full Range Protection - gG



PART REFERENCE	PART DESCRIPTIONS	VOLTAGE (VOLTS)	RATINGS (AMPS)	STANDARD PACKING
D1065685	BLST24 V2	240 V	2	10
E1065686	BLST24 V4		4	10
F1065687	BLST24 V6		6	10
G1065688	BLST24 V10		10	10
H1065689	BLST24 V16		16	10
J1065690	BLST24 V20		20	10
K1065691	BLST24 V25		25	10
L1065692	BLST24 V32		32	10

Dimensions



Off Set Bolted Tag Type BLST Fuse Links

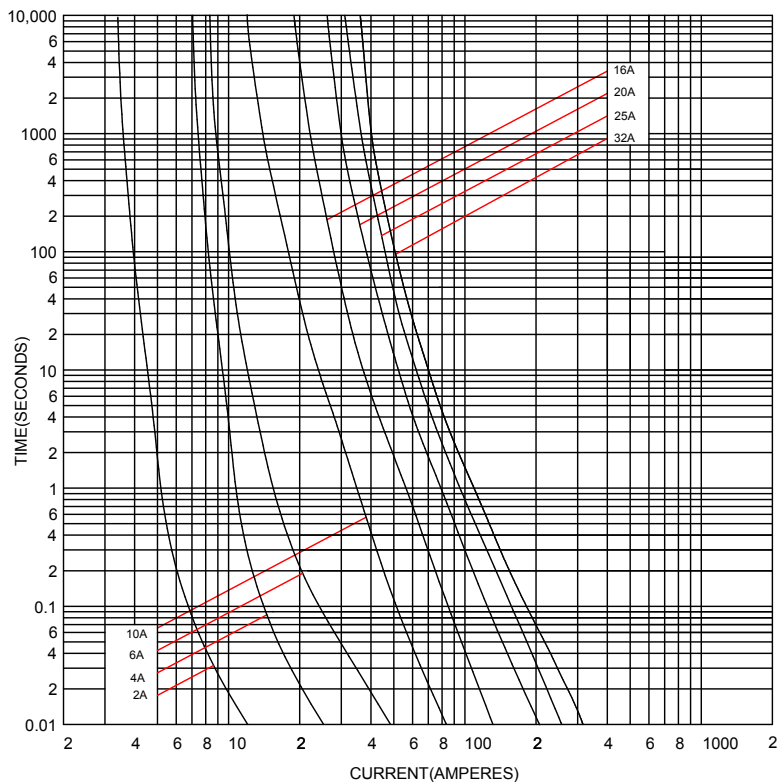
FUSE TYPE	CURRENT RATINGS AMPS	DIMENSIONS IN MM						
		A MAX	B MAX	D MAX	E MAX	F MAX	G MAX	K MAX
BLST	2,4,6,10,16,20,25,32	24.4	12.8	47.4	9.65	0.83	38.4	15

Electrical Characteristics:

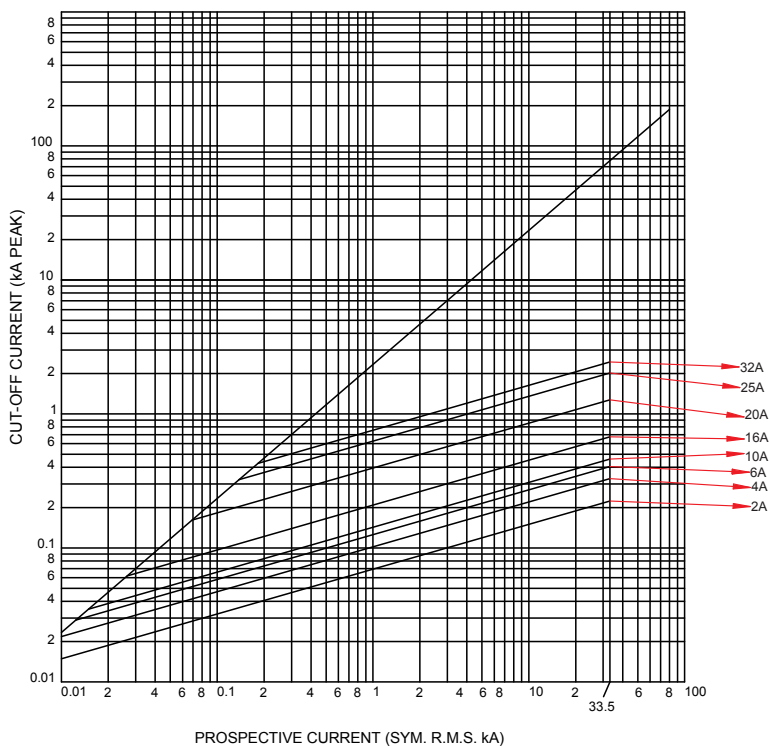
FUSE TYPE	VOLTAGE AC	CURRENT RATINGS AMPS	PRE - ARCING I ² t (AMPERE ² SECONDS)	CLEARING I ² t (AMPERE ² SECONDS)	WATT LOSS
BLST	240 V	2	0.6	1	1.02
		4	5	7	1.29
		6	10	16	1.33
		10	29	67	1.40
		16	152	348	1.79
		20	533	1225	1.04
		25	725	1668	1.80
		32	947	2178	2.64

BLST TIME CURRENT / CUT-OFF CURVE

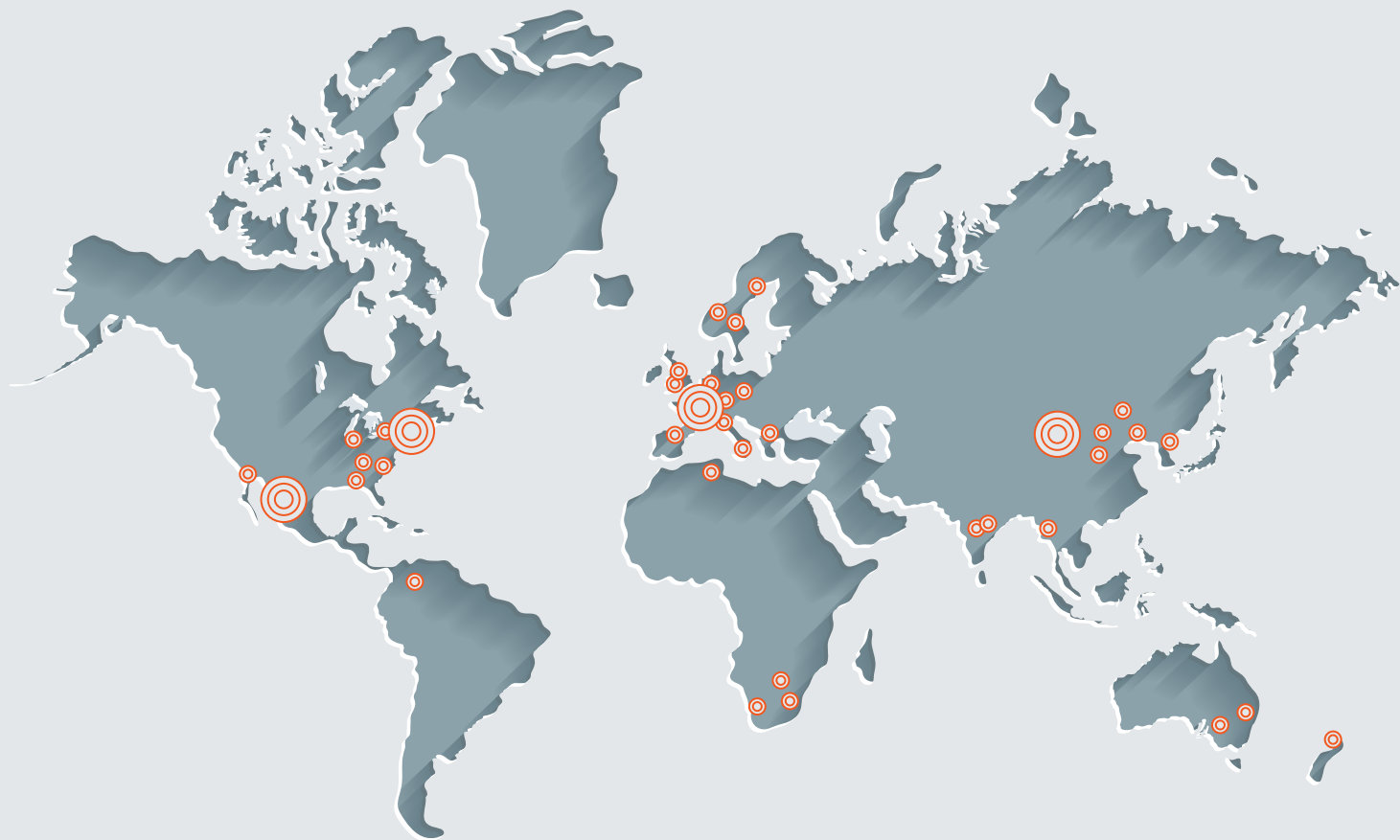
BLST TIME CURRENT CURVES



BLST CUT- OFF CURVE



ASTA CERTIFICATES



GLOBAL EXPERT
IN ELECTRICAL POWER
AND ADVANCED MATERIALS

MERSEN FRANCE SB

S.A.S.
Rue Jacques de Vaucanson
F-69720 saint-Bonnet-de-Mure
Tel: +33 4 72 22 66 11
Email:
www.mersen.com

MERSEN UK PORTSLADE LTD.

UK
MERSEN UK
Unit 12, Tungsten Building
George Street
Portslade East Sussex BN41 1RA
Email:
www.ep.uk.mersen.com

MERSEN INDIA

INDIA
#19, 4th Cross,
Bommasandra Industrial Area,
Bangalore - 560099, INDIA.
Tel: +91 80 27834001/5/6
E-mail: sales.ep.india@mersen.com
www.mersen.com

www.ep.mersen.com