



Main features

The HE60 surge arrester is used for the protection of DC rail networks against switching and atmospheric

The surge arrester which has a polymeric housing and a void free construction can be used in various types of rail applications.

Qualification testing:

- Tested to EN50123-5 standard
- Insulation withstand tests on the arrester housing
- Insulation withstand tests on the arrester housing
- Residual voltage test
- Long duration current impulse withstand test
- Operating duty tests
- Short-circuit tests
- Internal partial discharge test
- Tightness Test
- Power frequency voltage versus time characteristics on the arrester

Electrical performance

Nominal discharge current 8/20 µs Voltage rating

High current operating duty 4/10 µs High current single impulse energy Long Duration Current 2 ms



- 100 kA
- 2.3 kJ/kV at Ur
- 1000 A

STANDARD ELECTRICAL DATA										
HE60MDxx	U rated	U continuous	us U residual in kV when tested to the following impulse wavefo						าร	
	kV(r.m.s)	kV(r.m.s)	Lightning current (8/20μs)					Steep lightning (1/20µs)	Switching (30/60µs)	
			0.5 kA	1 kA	5 kA	10 kA	20 kA	20 kA	125 A	500 A
HE60MD08	1.0	0.8	2.0	2.1	2.6	3.0	3.3	4.0	1.9	2.1
HE60MD10	1.3	1.0	4.1	4.3	5.3	6.1	6.8	8.3	3.8	4.3
HE60MD20	2.6	2.0	6.2	6.5	8.0	9.2	10.2	12.4	5.7	6.4
HE60MD30	3.9	3.0	8.3	8.6	10.6	12.2	13.6	16.5	7.5	8.6
HE60MD40	5.2	4.0	10.3	10.8	13.3	15.3	17.0	20.6	9.4	10.7

HOUSING PARAMETERS

noosino Paraneters							
Product code	Creepage length (mm)	Flashover distance (mm)	Overall height (mm)	Cantilever long term load (SLL) Nm	Approx weight (kg)	Drawing reference	
HE60MD08	246	125	174	225	3.6	BOW-3-013	
HE60MD10	246	125	174	225	3.6	BOW-3-013	
HE60MD20	246	125	174	225	3.6	BOW-3-013	
HE60MD30	246	125	174	225	3.6	BOW-3-013	
HE60MD40	246	125	174	225	3.6	BOW-3-013	



Standard termination options



L5

Line adaptor (typically used with the XP12 disconnector)



M5 Mounting base

Pedestal Base with 4 slots to suit M12 bolts equally spaced on 127 - 140 PCD

Power frequency voltage versus time with prior energy



M12 Stainless steel terminal assembly



E1 M10x20 Set screw set



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FOR MORE INFORMATION:

TE Technical Support Centers

France:	+ 33 380 583 200
Germany:	+ 49 896 089 903
UK:	+ 44 8 708 707 500
Spain:	+ 34 916 630 400
Benelux:	+ 32 16 351 731
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Poland and Baltics:	+ 48 224 57
Czech Republic:	+ 42 0 272 (
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