

Present Star Protection of st	ndards for Lightning ructures and low voltage ins	tallations	LPCI
	IEC 62305-1 // Part 1: (BS EN 62305 –)	General principles	
	IEC 62305-2 // Part 2: (BS EN 62305 - 2)	Risk management	
	IEC 62305-3 // Part 3: (BS EN 62305 – 3)	Physical damages and life hazard	
	IEC 62305-4 // Part 4: (BS EN 62305-4)	LEMP- General principles Protection of electrical and electro	onic systems
	IEC 62305-5 // Part 5: (BS EN 62305 – 5)	Incoming Services Protection of supply line	es
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Nominal v	oltage of	Voltage line to	F	Rated impu	ulse voltag	e 2)
the supply system		neutral derived from	Over voltage category			
Three phase	Single phase	nominal voltages a.c. or d.c. up to and including V	I	II	III	IV
230/400 277/480 400/690 1000	120.240	50	330	500	800	1500
		100	500	800	1500	2500
		150	800	1500	2500	4000
		300	1500	2500	4000	6000
		600	2500	4000	6000	8000
		1000	4000	6000	8000	12000

2) Equipment with these rated impulse voltages can be used in installations in accordance with IEC 60364 - 4 - 443.



L.V Swite Voltage Impulse v	chgear: Contactors withstanding Capa 	s city							5	PCI	
8 	A Cont Technica	acto al Da	ors ta	- A.	C. (Оре	erat	ed	*		131
Туре	E.A. Obtain		A 9	A 12	A 16	A 26	A 30	A 40	A 45	A 50	A 63
Number of poles			3 or 4	3	3 or 4	3 or 4	3	3	4	3 or 4	3
Insulation Charact	eristics										
Rated insulation voltage according to IEC 947-4-1 a	u and VDE 0110 (Gr. C)	V						100	00		
Rated impulse withstand voltage U _{imp.}			8 kV								
Main Pole Utilizati	on Characteristic	cs									
Rated operational voltage	e U,	V		690			690			10	000
Conventional free-air the	mal current I								and the second s	1	1
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D15CR	CE15BN	CE150
	9.1	12
45	45	45
4	4	4
20	20	20
0.41	0.41	0.41
660	660	660
	D15CR 45 4 20 0.41 660	Discr CE15BN 45 45 4 4 20 20 0.41 0.41 660 660

L.V Switchgear: Voltage Impulse withs	Moulded Case Circuit Bre tanding Capacity	aker	LPCI
SA for Elec	CE Isomax S circui power distribution prical characteristics	t-breakers IEC 60947-2	
			SACE Isomax
ed uninterrupted current,	lu	[A]	125
S		Nr.	3-4
d service voltage, Ue	(AC) 50-60Hz	[V]	500
	(DC)	Vision (V)	250
d impulse withstand volt	age, Uimp	[kV]	6
d insulation voltage, UI		[V]	500
voltage at industrial freq	uency for 1 min.	[V]	3000
d inpulse withstand voltage, Uimpuse withstand voltage, Ui d insulation voltage, Ui voltage at industrial frequency for 1 min.	[kv] capacity low [v] 500 [v] 3000	6 690 3000	8 800 3000











































































	LPCI
Latest Concept	
Class B and Class C devices can be connected toget cable / Inductor. These special Class B arresters are ca arrester, with a voltage protection level less	her with out a coordination alled as Coordinated class B than 1300 volts
1st level protection 2nd level protection This is for Mobile Te called B+4 arresters	r Special Applications Like lecom Shelters These are also C arresters or Type 1+2
lightning current arrester surge voltage arrester (class I/B) (class II/C)	
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