

### 3EK8 according to IEC 60099-4 standard

Electrical Characteristics														Mechanical Characteristics											
Rated voltage	Continuous operating voltage	Arrester type	Designation	Nominal discharge current	Charge transfer rating	Thermal charge transfer rating	Maximum values of the residual voltages at discharge currents of the following impulses							Height [H]	Creepage distance	Rated short-circuit current	Housing insulation		Specified short-term load SSL		Specified long-term load SLL		Approximate weight of arrester without accessories	Flashover distance	Insulating bracket size
							30/60 μs	30/60 μs	8/20 μs	8/20 μs	8/20 μs	8/20 μs	8/20 μs				Lightning impulse withstand voltage 1.2/50 μs	Power frequency withstand voltage 1 min., wet	arrester only	with ins. bracket	arrester only	with ins. bracket			
kV	kV			I <sub>n</sub> kA	Q <sub>rs</sub> C	Q <sub>th</sub> C	125 A kV	500 A kV	1 kA kV	3 kA kV	5 kA kV	10 kA kV	20 kA kV	mm	mm	I <sub>s</sub> kA	kV	kV	N	N	N	N	kg	mm	
3.0	2.4	3EK8 030 - 1 C P 4	DH	10	0.4	1.1	5.9	6.2	6.5	7.1	7.4	8.0	8.9	97	267	20	63	29	2060	820	1440	570	0.5	109	short
6.0	4.8	3EK8 060 - 1 C P 4	DH	10	0.4	1.1	11.8	12.4	13.0	14.2	14.8	15.9	17.8	97	267	20	63	29	2060	820	1440	570	0.6	109	short
9.0	7.2	3EK8 090 - 1 C Q 4	DH	10	0.4	1.1	17.6	18.6	19.6	21.2	22.2	23.9	26.7	134	393	20	84	39	1490	590	1040	410	0.8	146	short
12	9.6	3EK8 120 - 1 C Q 4	DH	10	0.4	1.1	23.5	24.8	26.1	28.3	29.6	31.8	35.6	134	393	20	84	39	1490	590	1040	410	0.9	146	short
15	12.0	3EK8 150 - 1 C R 4	DH	10	0.4	1.1	29.4	31.0	32.6	35.4	37.0	39.8	44.5	153	465	20	95	44	1300	520	910	360	1.1	165	short
15	12.0	3EK8 150 - 1 C S 4	DH	10	0.4	1.1	29.4	31.0	32.6	35.4	37.0	39.8	44.5	180	578	20	111	51	1110	440	770	310	1.2	192	short
18	14.4	3EK8 180 - 1 C T 4	DH	10	0.4	1.1	35.3	37.2	39.1	42.5	44.4	47.7	53.4	240	765	20	146	68	830	330	580	230	1.6	252	long
21	16.8	3EK8 210 - 1 C T 4	DH	10	0.4	1.1	41.2	43.4	45.6	49.5	51.8	55.7	62.3	240	765	20	146	68	830	330	580	230	1.7	252	long
22	17.6	3EK8 220 - 1 C V 4	DH	10	0.4	1.1	43.1	45.5	47.8	51.9	54.2	58.3	65.3	295	997	20	178	82	670	270	470	180	2.0	307	long
24	19.2	3EK8 240 - 1 C V 4	DH	10	0.4	1.1	47.1	49.6	52.2	56.6	59.1	63.6	71.2	295	997	20	178	82	670	270	470	180	2.1	307	long
27	21.6	3EK8 270 - 1 C V 4	DH	10	0.4	1.1	52.9	55.8	58.7	63.7	66.5	71.6	80.1	295	997	20	178	82	670	270	470	180	2.1	307	long
30	24.0	3EK8 300 - 1 C V 4	DH	10	0.4	1.1	58.8	62.0	65.2	70.8	73.9	79.5	89.0	295	997	20	178	82	670	270	470	180	2.2	307	long
33	26.4	3EK8 330 - 1 C W 4	DH	10	0.4	1.1	64.7	68.2	71.7	77.8	81.3	87.5	97.9	332	1123	20	200	92	600	240	420	160	2.4	344	long
36	28.8	3EK8 360 - 1 C W 4	DH	10	0.4	1.1	70.6	74.4	78.2	84.9	88.7	95.4	107	332	1123	20	200	92	600	240	420	160	2.5	344	long
36	28.8	3EK8 360 - 1 C X 4	DH	10	0.4	1.1	70.6	74.4	78.2	84.9	88.7	95.4	107	390	1358	20	233	108	510	200	350	140	2.8	402	long

#### How to order

3EK8 IEC

Example: 3EK8 360-1CW4

3EK8 ... Medium-voltage surge arrester

360 ... Rated voltage = 36 kV

1C ... IEC

W ... Housing type (H=332 mm)

4 ... Alternating sheds

Without -Z ... M12 internal thread

Example: 3EK8 360-1CW4 - Z M50 P50 M81

-Z ... is indicating accessories

Accessoires:

M50 ... Bolt M12x53 (M = Line terminal)

P50 ... Bolt M12x53 (P = Ground terminal)

M81 ... Bird protection cap

#### Dimensions 3EK8 IEC

