

SURGE ARRESTER 3EK7 FOR MEDIUM VOLTAGE SYSTEMS FOR OUTDOOR USE APPLIED STANDARD: IEC60099-4 UR=30KV, UC=24.0KV NOMINAL DISCHARGE CURRENT 10KA ARRESTER DESIGNATION: DH URES (10KA, 8/20) = 79.5KV CHARGE TRANSFER RATING 0.4C THERMAL CHARGE TRANSFER RATING 1.1C SHORT-CIRCUIT CURRENT 20KA CREEPAGE DISTANCE 900MM HEIGHT 300MM SHORT TERM LOAD SSL 1660N CARDBOARD PACKAGING

Electrical data	
standard	IEC 60099-4
Designation / of arrester class	DH
Discharge current / according to IEC 60099-4 / rated value	10.0 kA
Discharge capacity of electrical charge voltage / rated value	0.4 C 30.0 kV
Arrester continuous voltage	24.0 kV
High current impulse / of arrester	100.0 kA
Discharge short-circuit current / nominal value	20.0 kA
line frequency / rated value / minimum	48.0 Hz
line frequency / rated value / maximum	62.0 Hz
Residual voltage	
• at 1 kA / at (8/20) μ s	65.2 kV
• at 3 kA / at (8/20) μ s	68.4 kV
• at 5 kA / at (8/20) μ s	73.9 kV
• at 10 kA / at (8/20) μ s	79.5 kV
• at 20 kA / at (8/20) μ s	91.4 kV
• at 125 A / at (30/60) μ s	58.1 kV
• at 250 A / at (30/60) μ s	59.6 kV
• at 500 A / at (30/60) μ s	61.2 kV
• at 1 kA / at (30/60) μ s	63.6 kV
• at 2 kA / at (30/60) μ s	66.8 kV
TOV strength	
• limited to 1 s	32.3 kV
• limited to 10 s	30.0 kV
lightning impulse withstand voltage / of the enclosure / at (1.2/50) μ s	184.0 kV
Power frequency impulse withstand voltage / of enclosure, rainy / limited to 1 min	86.0 kV
Mechanical data	
height	300.0 mm
Creepage distance / of arrester	900.0 mm
Striking distance / of arrester	318.0 mm
net weight	3.2 kg
color / of the insulating body	grey
Shape of shed profile / of insulating body	Alternating
Specified long-term load (SLL)	1 160.0 N
Specified short-term load (SSL)	1 660.0 N
Accessories	
Type of electrical connection / for high voltage	Bolt, nut, washer. Thread M12
type of installation	Bolt, nut, washer. Thread M12
pack type	Single
General data	
ambient temperature / minimum	-40.0 °C
ambient temperature / maximum	40.0 °C
installation altitude	1 000.0 m
AL Code	N
ECCN code	N
Further information	

Industry Mall (Online ordering system)

<https://mall.industry.siemens.com/mall/en/en/Catalog/product?mfb=3EK7300-4CF4>



