

Arrester Blocks

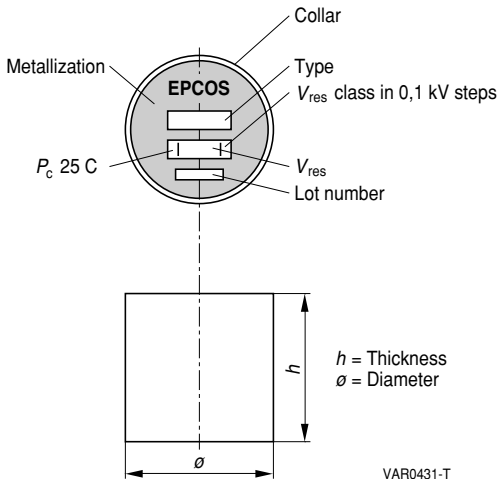
E Series

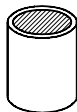
Construction

- Passivated collar
- Termination: flame-sprayed
- Pressure contacts

Features

- Suitable for distribution applications (light and normal duty)
- Gapless arrester construction
- Based on IEC 60099-4 and ANSI/IEEE C62.11
- Stackable for higher voltage ratings
- Arrester blocks for stationary applications or other voltage classes and diameters (up to 100 mm) are available upon request.





Arrester Blocks

E Series

General technical data

Types	SIOV-	E32VR302	E32VR602	E42VR302	E42VR602	
Ordering codes		B72232 E0302R001	B72232 E0602R001	B72242 E0302R001	B72242 E0602R001	
Rated voltage	V_R	3	6	3	6	kV
Nominal discharge current	I_n	5	5	10	10	kA
Residual voltage at I_n	V_{res}	$\leq 9,5$	≤ 19	≤ 10	≤ 20	kV
Continuous operating voltage	V_c	2,45	4,9	2,45	4,9	kV
Power dissipation at V_c	P_c	$\leq 0,20$	$\leq 0,39$	$\leq 0,35$	$\leq 0,65$	W
Reference current	I_{ref}	1	1	2	2	mA
Reference voltage	V_{ref}	≥ 3	≥ 6	≥ 3	≥ 6	kV
Long-duration current impulse		18×150 ; 2	18×150 ; 2	18×250 ; 2	18×250 ; 2	A; ms
High-current pulse (with secondary insulation)		2×65 ; 4/10	2×65 ; 4/10	2×100 ; 4/10	2×100 ; 4/10	kA; μ s
Accelerated ageing test 1000 h, 115 °C, N ₂ , V_c		permanent decrease of power dissipation				—
Operating temperature		- 25 ... + 60	- 25 ... + 60	- 25 ... + 60	- 25 ... + 60	°C
Storage temperature		- 25 ... + 80	- 25 ... + 80	- 25 ... + 80	- 25 ... + 80	°C
Metallization		Al electrodes				—
Collar		passivated				—
Diameter		34 ± 1	34 ± 1	43 ± 1	43 ± 1	mm
Thickness		$22 \pm 0,6$	$44 \pm 0,6$	$22 \pm 0,6$	$44 \pm 0,6$	mm
Marking		type, lot number, V_{res} , P_c , V_{res} class (0,1 kV steps)				—
Weight approx.		110	220	180	360	g

Device ratings and specifications at 25 °C unless otherwise specified.

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Published by EPCOS AG**Corporate Communications, P.O. Box 80 17 09, 81617 Munich, GERMANY****☎ ++49 89 636 09, FAX (0 89) 636-2 26 89**

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