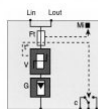


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CP DS 250 VG

CP DS 250 VG



Combined overvoltage arrester type 1|2|3 with high-performance varistor and gas discharge tube, no leakage current, Mounting type: Mounting rail TS 35, 1-channel, Rated voltage: 230 VAC

## Business data

Product description	Overvoltage arresters
Packaging unit	1
Quantity unit	PC
Weight per piece (not including packaging)	265
Weight per piece (including packaging)	305.6
Unit of weight	G
Customs number	85354000
Country of origin	FR

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## Technical Data

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### Dimensions

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Length	90 mm
Width	36 mm
Height	68.4 mm
Installation dimensions acc. to DIN 43880	2 Te

### Ratings

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Rated voltage Un	230 / 400
Rated discharge surge current In (8/20) $\mu$ s	30 kA
Rated frequency max.	100 Hz
Short-circuit resistance Ip	25 kA

### Connection data

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Connection principle	Screw connection
Wire cross-section single core (rigid), min.	6 mm <sup>2</sup>
Wire cross-section single-core (rigid), max.	35 mm <sup>2</sup>
Wire cross-section stranded, min.	6 mm <sup>2</sup>
Wire cross-section stranded, max.	35 mm <sup>2</sup>
Wire cross-section stranded with wire-end ferrules, min.	35 mm <sup>2</sup>

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## Technical Data

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### Connection data

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Wire cross-section stranded with wire-end ferrules, max.	6 mm <sup>2</sup>
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### Output data

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Switching current, max. at 125 V DC	2 A
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Switching current, max. at 250 V AC	0,5 A
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Remote signalling	Potential-free CO contact
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Remote signalling: Wire cross-section single-core (rigid), max.	1,5 mm <sup>2</sup>
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### Materials

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Insulation housing	Thermoplastic PEI
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Flammability class UL 94	V-0
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Working temperature, min.	-40 °C
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Working temperature, max.	85 °C
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## Technical Data

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### Further technical data

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Protection class	IP20
Response time $t_A$	<20 ns
Max. continuous voltage	255 V
Discharge current $I_{max}$ (8/20) $\mu$ s, max.	70 kA
Protection level $U_p$	<1,5 kV
Residual voltage $U_{res}$ (5 kA)	<0,8 kV
Follow-on current $I_f$	None
Follow-on current extinguishing capacity $I_{fi}$	Infinite
TOV voltage $U_t$ (L-N)	450 V / 5 s
Series fuse, max.	315 gL / gG A
Malfunction display	Mechanical, red
Type of mains network	TNC, TNS
Lightning surge current (10/350) $\mu$ s	25 kA
Combined pulse $U_{oc}$	20 kV
TOV voltage $U_t$ (N-PE)	1200 V / 200 ms / 300 A

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## Approvals

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### Standards and regulations

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DIN EN 61643-11 (Germany)	Combi-arrester type 1, 2, 3
EN 61643-11 (Europe)	Low voltage SPD - Class I, II and III test
IEC 61643-1 (International)	Low voltage SPD - Class I, II and III test
UL1449 ed.2 (USA)	Low voltage TVSS

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## Media

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