Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

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Type 2 surge protection base element - VAL-MS 1+1-BE/FM/HD/ S1A - 2800257

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Base element for type 2 arresters of the VALVETRAB MS product range, with remote indication contact. Version for 1-phase power supply with separate installation of N and PE conductors.

Key commercial data

Packing unit	1 pc
Custom tariff number	85363030
Country of origin	Germany

Technical data

Dimensions

Height	97 mm
Width	35.6 mm
Depth	44 mm

Ambient conditions

Degree of protection	IP20 (only when all terminal points are used)
Ambient temperature (operation)	-40 °C ... 80 °C
Ambient temperature (storage/transport)	-40 °C ... 80 °C
Altitude	≤ 2000 m (amsl (above mean sea level))
Permissible humidity (operation)	5 % ... 95 %
Shock (operation)	25g
Vibration (operation)	5g

General

Standards/specifications	IEC 61643-11 2011
	EN 61643-11 2012
IEC test classification	II

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Technical data

General

	T2
EN type	T2
Mounting type	DIN rail: 35 mm
Color	black
Housing material	PBT
	PA 6.6
Pollution degree	2
Inflammability class according to UL 94	V-0
Type	DIN rail module, two-section, divisible
Number of positions	1
Surge protection fault message	Remote indicator contact

Additional descriptions

Note	For installation into a touch protected cabinet. For applications with U_C > 500 V distances at the side and distances at the connection area must be minimum of 5 mm between different active parts including earthed parts.

Protective circuit

Nominal frequency f_N	50 Hz (60 Hz)
Maximum continuous operating voltage U_C	800 V AC
Rated load current I_L	80 A
Short-circuit current rating I_{SCCR}	25 kA
Max. backup fuse with branch wiring	200 A AC (gG)
Max. backup fuse with V-type through wiring	80 A AC (gG)

Indicator/remote signaling

Connection name	Remote fault indicator contact
Switching function	PDT contact
Operating voltage	5 V AC ... 250 V AC
	30 V DC
Operating current	5 mA AC ... 1.5 A AC
	1 A DC
Connection method	Screw connection
Screw thread	M2
Tightening torque	0.25 Nm
Stripping length	7 mm
Conductor cross section stranded min.	0.14 mm²
Conductor cross section stranded max.	1.5 mm²

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Technical data

Indicator/remote signaling

Conductor cross section solid min.	0.14 mm²
Conductor cross section solid max.	1.5 mm²
AWG conductor cross section	28 ... 16

Connection data

Connection method	Screw connection
Conductor cross section stranded min.	1.5 mm²
Conductor cross section stranded max.	25 mm²
Conductor cross section solid min.	1.5 mm²
Conductor cross section solid max.	35 mm²
AWG conductor cross section	15 ... 2
Screw thread	M5
Tightening torque	4.5 Nm
Stripping length	16 mm

Classifications

eCl@ss

eCl@ss 4.0	27140201
eCl@ss 4.1	27130801
eCl@ss 5.0	27130801
eCl@ss 5.1	27130801
eCl@ss 6.0	27130805
eCl@ss 7.0	27130805
eCl@ss 8.0	27130805

ETIM

ETIM 2.0	EC000941
ETIM 3.0	EC000941
ETIM 4.0	EC000941
ETIM 5.0	EC000941

UNSPSC

UNSPSC 6.01	30212010
UNSPSC 7.0901	39121610
UNSPSC 11	39121610
UNSPSC 12.01	39121610

Type 2 surge protection base element - VAL-MS 1+1-BE/FM/HD/ S1A - 2800257

Classifications

UNSPSC

UNSPSC 13.2	39121620

Approvals

Approvals

Approvals

KEMA-KEUR / ÖVE / GL / CCA / IECEE CB Scheme

Ex Approvals

Approvals submitted

Approval details

KEMA-KEUR

ÖVE

GL

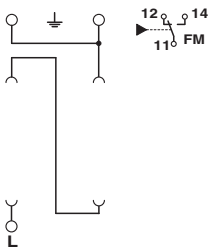
CCA

IECEE CB Scheme

Drawings

Type 2 surge protection base element - VAL-MS 1+1-BE/FM/HD/ S1A - 2800257

Circuit diagram



Dimensioned drawing