CITEL
Reliability In Surge Protection

BT S

1、Géometrie: suivant plan
Geometry:See drawing

SCOE.01.0015

2、Caractéristiques initiales
Primary Technical Properties:(before test)

Tension et limites: / Tension and limits:			90V/20	150V/20	200V/20	230V/15	230V/20
Tension statique: / DC Spark over Voltage:	E-M 100V/s	E-E	72V-108V / 100/200	120V-180V / 200/400	160V-240V / 300/500	195V-265V / 300/500	184V-276V / 300/500
Tension dynamique: / Impulse Spark over Voltage:	E-M 1kV/μs		≤700V	≤700V	≤800V	≤800V	≤800V
Résistance isolement: / Insulation Resistance:	≤90V 50V DC	≥90V 100V DC	≥10GΩ	≥10GΩ	≥10GΩ	≥10GΩ	≥10GΩ
Capacité: / Capacitance:	E-M 1MHz	E-E	≤0.9pF / ≤0.5pF	≤0.9pF / ≤0.5pF	≤0.9pF / ≤0.5pF	≤0.9pF / ≤0.5pF	≤0.9pF / ≤0.5pF
Tension d extinction: / Holdover Voltage:	RC//:150Ω-100nF;RS=330Ω U(I)600V DC;1.5A;50cycle;E-M		≥70V	≥80V	≥80V	≥80V	≥80V
Tension de lueur: / Glow Voltage:			≤100V	≤100V	≤100V	≤100V	≤100V
Courant de transition lueur/arc / Glow to arc transition current:			0.5A	0.5A	0.5A	0.5A	0.5A
Tension d arc / Arc Voltage:			≤25V	≤25V	≤25V	≤25V	≤25V

3、Pouvoir d écoulement: (après tests)
Power-flow Properties:(after life test)

Tension statique: / DC Spark over Voltage:	E-M 100V/s	E-E	72V-108V / 100/200	120V-180V / 200/400	160V-240V / 300/500	195V-265V / 300/500	184V-276V / 300/500
Tension dynamique: / Impulse Spark over Voltage:			≤700V	≤700V	≤800V	≤800V	≤800V
Résistance isolement: / Insulation Resistance:			≥1000MΩ	≥1000MΩ	≥1000MΩ	≥1000MΩ	≥1000MΩ
Décharge Alternative / AC discharge current:	50/60Hz,600V 5times,1s interval 3min	E-M / E1/E2-M	10A / 20A	10A / 20A	10A / 20A	10A / 20A	10A / 20A
Décharge Impulsionnelle / Impulse discharge current:	8/20μs,+5/-5 interval 3min	E-M / E1/E2-M	10kA / 20kA	10kA / 20kA	10kA / 20kA	10kA / 20kA	10kA / 20kA
Décharge Impulsionnelle / Impulse discharge current:	8/20μs 1times		25kA	25kA	25kA	25kA	25kA
Décharge Impulsionnelle / Impulse life:	10/1000μs 300times,interval 2min		100A	100A	100A	100A	100A
4、Code: / Part number:			9294001	9294002	9294005	9294007	9294057
QVGQ2.E184939			YES	YES	YES	YES	YES
REG.-Nr.40008209							

1. solderability: see CEI 68-2-20
2. This product is 2002/95/EC directive(ROHS);all test are ITU-T K.12 compliant.

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1℃Géometrie: suivant plan
Geometry:See drawing

SCOE.01.0015

2℃Caractéristiques initiales
Primary Technical Properties:(before test)

Tension et limites: / Tension and limits:		250V/12	250V/20	260V/20	350V/20	450V/20
Tension statique: / DC Spark over Voltage:	E-M 100V/s E-E	220V-280V 400/600	200V-300V 400/600	208V-312V 400/600	280V-420V 500/700	360V-540V 800/1000
Tension dynamique: / Impulse Spark over Voltage:	E-M 1kV/μs	≤900V	≤900V	≤900V	≤900V	≤1100V
Résistance isolement: / Insulation Resistance:	≤90V ≥90V 50V DC 100V DC	≥10GΩ	≥10GΩ	≥10GΩ	≥10GΩ	≥10GΩ
Capacité: / Capacitance:	E-M 1MHz E-E	≤0.9pF ≤0.5pF	≤0.9pF ≤0.5pF	≤0.9pF ≤0.5pF	≤0.9pF ≤0.5pF	≤0.9pF ≤0.5pF
Tension d extinction: / Holdover Voltage:	RC//:150Ω-100nF;RS=330Ω U(I)600V DC;1.5A;50cycle;E-M	≥80V	≥80V	≥80V	≥80V	≥80V
Tension de lueur: / Glow Voltage:		≤100V	≤100V	≤100V	≤100V	≤100V
Courant de transition lueur/arc / Glow to arc transition current:		0.5A	0.5A	0.5A	0.5A	0.5A
Tension d arc / Arc Voltage:		≤25V	≤25V	≤25V	≤25V	≤25V

3℃Pouvoir d écoulement: (après tests)
Power-flow Properties:(after life test)

Tension statique: / DC Spark over Voltage:	E-M 100V/s E-E		220V-280V 400/600	200V-300V 400/600	208V-312V 400/600	280V-420V 500/700	360V-540V 800/1000
Tension dynamique: / Impulse Spark over Voltage:			≤900V	≤900V	≤900V	≤900V	≤1100V
Résistance isolement: / Insulation Resistance:			≥1000MΩ	≥1000MΩ	≥1000MΩ	≥1000MΩ	≥1000MΩ
Décharge Alternative / AC discharge current:	50/60Hz,600V 5times,1s interval 3min	E-M E1/E2-M	10A 20A	10A 20A	10A 20A	10A 20A	10A 20A
Décharge Impulsionnelle / Impulse discharge current:	8/20μs,+5/-5 interval 3min	E-M E1/E2-M	10kA 20kA	10kA 20kA	10kA 20kA	10kA 20kA	10kA 20kA
Décharge Impulsionnelle / Impulse discharge current:	8/20μs 1times		25kA	25kA	25kA	25kA	25kA
Décharge Impulsionnelle / Impulse life:	10/1000μs 300times,interval 2min		100A	100A	100A	100A	100A
4℃Code: / Part number:			9294009	9294059	9294010	9294015	9294020
QVGQ2.E184939			YES	YES	YES	YES	YES
REG.-Nr.40008209							

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1、Géometrie: suivant plan
Geometry:See drawing

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2、Caractéristiques initiales
Primary Technical Properties:(before test)

Tension et limites: Tension and limits:		**500V/20**	**600V/-15+20**	**700V/20**		
Tension statique: DC Spark over Voltage:	E-M 100V/s E-E	400V-600V 800/1100	510V-720V 850/1250	560V-840V 1180/1400		
Tension dynamique: Impulse Spark over Voltage:	E-M 1kV/μs	≤1200V	≤1200V	≤1500V		
Résistance isolement: Insulation Resistance:	≤90V ≥90V 50V DC 100V DC	≥10GΩ	≥10GΩ	≥10GΩ		
Capacité: Capacitance:	E-M 1MHz E-E	≤0.9pF ≤0.5pF	≤0.9pF ≤0.5pF	≤0.9pF ≤0.5pF		
Tension d extinction: Holdover Voltage:	RC//:150Ω-100nF;RS=330Ω U(I)600V DC;1.5A;50cycle;E-M	≥80V	≥80V	≥80V		
Tension de lueur: Glow Voltage:		≤100V	≤100V	≤100V		
Courant de transition lueur/arc Glow to arc transition current:		0.5A	0.5A	0.5A		
Tension d arc Arc Voltage:		≤25V	≤25V	≤25V		

3、Pouvoir d écoulement: (après tests)
Power-flow Properties:(after life test)

Tension statique: DC Spark over Voltage:	E-M 100V/s E-E		400V-600V 800/1100	510V-720V 850/1250	560V-840V 1180/1400	
Tension dynamique: Impulse Spark over Voltage:			≤1200V	≤1200V	≤1500V	
Résistance isolement: Insulation Resistance:			≥1000MΩ	≥1000MΩ	≥1000MΩ	
Décharge Alternative AC discharge current:	50/60Hz,600V 5times,1s interval 3min	E-M E1/E2-M	10A 20A	10A 20A	10A 20A	
Décharge Impulsionnelle Impulse discharge current:	8/20μs,+5/-5 interval 3min	E-M E1/E2-M	10kA 20kA	10kA 20kA	10kA 20kA	
Décharge Impulsionnelle Impulse discharge current:	8/20μs 1times		25kA	25kA	25kA	
Décharge Impulsionnelle Impulse life:	10/1000μs 300times,interval 2min		100A	100A	100A	
4、Code: **Part number:**			9294022	9294026	9294029	
QVGQ2.E184939			YES			
REG.-Nr.40008209						

1. solderability: see CEI 68-2-20

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