

**1° Géométrie: suivant plan**  
**Geometry: See drawing**

SCOE.01.0010

**2° Caractéristiques initiales**

**Primary Technical Properties: (before test)**

Tension et limites: Tension and limits:		90V/20	150V/20	200V/20	230V/10	230V/15
Tension statique: DC Spark over Voltage:	E-M 100V/s E-E	72V-108V 100/200	120V-180V 200/400	160V-240V 300/500	207V-253V 320/460	195V-265V 300/500
Tension dynamique: Impulse Spark over Voltage:	E-M 1kV/μs	≤700V	≤700V	≤800V	≤800V	≤800V
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	≥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	207V-253V 320/460	195V-265V 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 E-M 5times,1s interval 3min E1/E2-M	10A 20A	10A 20A	10A 20A	10A 20A	10A 20A
Décharge Impulsionnelle Impulse discharge current:	8/20μs,+5/-5 E-M interval 3min 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:**

 QVGQ2.E184939	9293001	9293002	9293005	9293062	9293007
 REG.-Nr.40008209	YES	YES	YES	YES	YES

1. solderability: see CEI 68-2-20

2. This product is 2002/95/EC directive(ROHS);all test are ITU-T K.12 compliant.

Date	Code N°
12/11/2007	92 930 XX XX

**1 Géométrie: suivant plan**

SCOE.01.0010

**Geometry: See drawing**

**2 Caractéristiques initiales**

**Primary Technical Properties: (before test)**

		230V/20	250V/12	250V/20	260V/20	350V/15
Tension et limites:						
Tension and limits:						
Tension statique:	E-M 100V/s	184V-276V	220V-280V	200V-300V	208V-312V	298V-402V
DC Spark over Voltage:	E-E	300/500	400/600	400/600	400/600	500/700
Tension dynamique:	E-M					
Impulse Spark over Voltage:	1kV/μs	≤800V	≤900V	≤900V	≤900V	≤900V
Résistance isolement:	≤90V ≥90V	≥10GΩ	≥10GΩ	≥10GΩ	≥10GΩ	≥10GΩ
Insulation Resistance:	50V DC 100V DC					
Capacité:	E-M 1MHz	≤0.9pF	≤0.9pF	≤0.9pF	≤0.9pF	≤0.9pF
Capacitance:	E-E	≤0.5pF	≤0.5pF	≤0.5pF	≤0.5pF	≤0.5pF
Tension d extinction:	RC//:150Ω-100nF;RS=330Ω					
Holdover Voltage:	U(I)600V DC;1.5A;50cycle;E-M	≥80V	≥80V	≥80V	≥80V	≥80V
Tension de lueur:		≤100V	≤100V	≤100V	≤100V	≤100V
Glow Voltage:						
Courant de transition lueur/arc		0.5A	0.5A	0.5A	0.5A	0.5A
Glow to arc transition current:						
Tension d arc		≤25V	≤25V	≤25V	≤25V	≤25V
Arc Voltage:						



**3 Pouvoir d écoulement: (après tests)**

**Power-flow Properties: (after life test)**

		230V/20	250V/12	250V/20	260V/20	350V/15
Tension statique:	E-M 100V/s	184V-276V	220V-280V	200V-300V	208V-312V	298V-402V
DC Spark over Voltage:	E-E	300/500	400/600	400/600	400/600	500/700
Tension dynamique:		≤800V	≤900V	≤900V	≤900V	≤900V
Impulse Spark over Voltage:						
Résistance isolement:		≥1000MΩ	≥1000MΩ	≥1000MΩ	≥1000MΩ	≥1000MΩ
Insulation Resistance:						
Décharge Alternative	50/60Hz,600V E-M	10A	10A	10A	10A	10A
AC discharge current:	5times,1s interval 3min E1/E2-M	20A	20A	20A	20A	20A
Décharge Impulsionnelle	8/20μs,+5/-5 E-M	10kA	10kA	10kA	10kA	10kA
Impulse discharge current:	interval 3min E1/E2-M	20kA	20kA	20kA	20kA	20kA
Décharge Impulsionnelle	8/20μs	25kA	25kA	25kA	25kA	25kA
Impulse discharge current:	1times					
Décharge Impulsionnelle	10/1000μs	100A	100A	100A	100A	100A
Impulse life:	300times,interval 2min					

**4 Code:**

**Part number:**

	YES	YES	YES	YES	YES
QVGQ2.E184939					
	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.

Date	Code N°
12/11/2007	92 930 XX XX

**1° Géométrie: suivant plan**

SCOE.01.0010

**Geometry: See drawing**

**2° Caractéristiques initiales**

**Primary Technical Properties: (before test)**

Tension et limites: Tension and limits:		350V/20	400V/20	450V/20	470V/20	500V/20
Tension statique: DC Spark over Voltage:	E-M 100V/s E-E	280V-420V 500/700	320V-480V 600/1000	360V-540V 800/1000	376V-564V 800/1000	400V-600V 800/1100
Tension dynamique: Impulse Spark over Voltage:	E-M 1kV/μs	≤900V	≤1000V	≤1100V	≤1100V	≤1200V
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	280V-420V 500/700	320V-480V 600/1000	360V-540V 800/1000	376V-564V 800/1000	400V-600V 800/1100
Tension dynamique: Impulse Spark over Voltage:		≤900V	≤1000V	≤1100V	≤1100V	≤1200V
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
Décharge Impulsionnelle Impulse discharge current:	8/20μs,+5/-5 interval 3min	E-M E1/E2-M	10kA 20kA	10kA 20kA	10kA 20kA	10kA 20kA
Décharge Impulsionnelle Impulse discharge current:	8/20μs 1times		25kA	25kA	25kA	25kA
Décharge Impulsionnelle Impulse life:	10/1000μs 300times,interval 2min		100A	100A	100A	100A

**4° Code:**

**Part number:**

	YES	YES	YES	YES	YES
QVGQ2.E184939					
	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.

Date	Code N°
12/11/2007	92 930 XX XX



# CITEL

## BT R

### 1° Géométrie: suivant plan

SCOE.01.0010

### Geometry: See drawing

### 2° Caractéristiques initiales

#### Primary Technical Properties: (before test)

Tension et limites:		550V/15	600V/-15+20		
Tension and limits:					
Tension statique:	E-M 100V/s	468V-632V	510V-720V		
DC Spark over Voltage:	E-E	900/1200	850/1250		
Tension dynamique:	E-M	≤1200V	≤1200V		
Impulse Spark over Voltage:	1kV/μs				
Résistance isolement:	≤90V ≥90V	≥10GΩ	≥10GΩ		
Insulation Resistance:	50V DC 100V DC				
Capacité:	E-M 1MHz	≤0.9pF	≤0.9pF		
Capacitance:	E-E	≤0.5pF	≤0.5pF		
Tension d extinction:	RC//:150Ω-100nF;RS=330Ω	≥80V	≥80V		
Holdover Voltage:	U(I)600V DC;1.5A;50cycle;E-M				
Tension de lueur:		≤100V	≤100V		
Glow Voltage:					
Courant de transition lueur/arc		0.5A	0.5A		
Glow to arc transition current:					
Tension d arc		≤25V	≤25V		
Arc Voltage:					

### 3° Pouvoir d écoulement: (après tests)

#### Power-flow Properties: (after life test)

Tension statique:	E-M 100V/s	468V-632V	510V-720V		
DC Spark over Voltage:	E-E	900/1200	850/1250		
Tension dynamique:		≤1200V	≤1200V		
Impulse Spark over Voltage:					
Résistance isolement:		≥1000MΩ	≥1000MΩ		
Insulation Resistance:					
Décharge Alternative	50/60Hz,600V E-M	10A	10A		
AC discharge current:	5times,1s interval 3min E1/E2-M	20A	20A		
Décharge Impulsionnelle	8/20μs,+5/-5 E-M	10kA	10kA		
Impulse discharge current:	interval 3min E1/E2-M	20kA	20kA		
Décharge Impulsionnelle	8/20μs	25kA	25kA		
Impulse discharge current:	1times				
Décharge Impulsionnelle	10/1000μs	100A	100A		
Impulse life:	300times,interval 2min				

### 4° Code:

#### Part number:

		9293075	9293026		
QVGQ2.E184939					
		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.

Date	Code N°
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