

Standards Alert

Part of the Energy Queensland Group

Subject:		Control Ref No: StdsA568
Interim Arrangement for Surge Arresters SC20750 / SC701082		Date Issued: 01/05/2020
		Supersedes:
Policy/Procedure/Manual: OHCM	Expiry Date: 31/12/2020	
Originating Dept:	Asset Standards: Line Standards	
Target Audience: EQL		

1. Objective

Due to the current COVID-19 pandemic, the supply for Class A Surge Arresters **SC20750** (EGX) / **SC701082** (EE) has been disrupted globally. Stock levels for these items are now critically low in EQL.

2. Introduction

During the last Surge Arrester tender, EQL made the decision to move from Class C to Class A. While Class C provides adequate protection, Class A provides additional protection for bushfire prone regions. Due to current COVID-19 supply issue, a batch of Class C Surge Arresters from the last contract will be temporarily supplied in place of Class A for SC20750 / SC701082. This is expected to be temporary only and not expected to be an issue as the majority of the network still uses Class C surge arresters.

3. Interim Arrangement

In the meantime, SC 2403488 (EE) / 15762 (EGX) Class A Surge Arresters can be used in place of SC20750 / SC701082 to alleviate the current supply issue, with the following exceptions:

- **For Energex:** **SC 15762** can be used in all constructions other than OH/UG terminations. **SC 20750** is to be used for OH/UG terminations (more detail below).
- **For Ergon:** **SC 2403488** can be used as a direct replacement for **SC701082**.

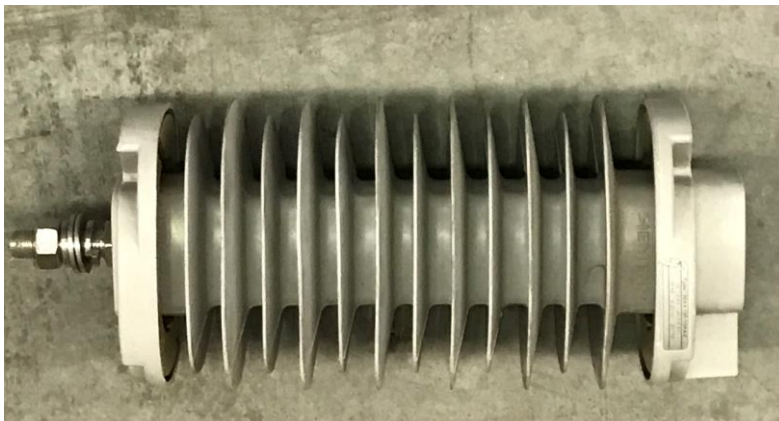


Figure 1: SC2403488 (EE) / SC15762 (EGX) - note they are identical across EE & EGX.

NOTE	SC 701082 and SC 15762 are not supplied with the leads and lugs. A minimum of 16 sqmm lead are to be used with lugs to suit.
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Page 1 of 3	<i>This Standards Alert will remain in force until either the expiry date is exceeded, or update of the relevant sections of the specified manuals has occurred. StdsA568 - Interim use of Class C Surge Arresters</i>	Dept Head F Zaini
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3.1 Energex

3.1.1 SC 15762

The replacement Class A Surge Arrester SC 15762 with the fixed bird cap can be used in all applications except for the OH/UG termination arrangement (figure 4). This is due to the tunnel in the fixed bird cap being unable to use with copper connector bar SC10381. Construction is as shown in Figure 2 & 3 as per the Energex OH construction manual Section 1 Pages 252 & 271.

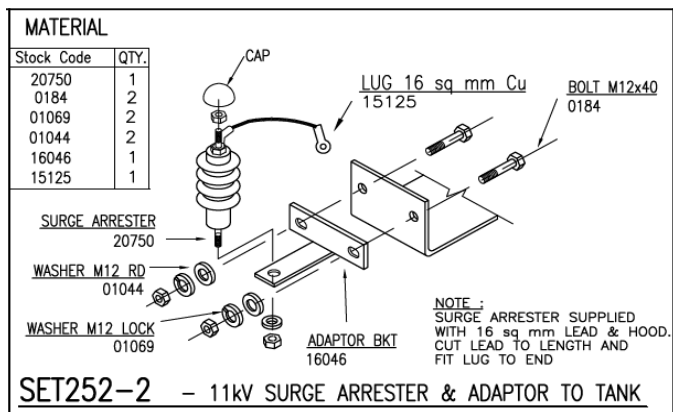


Figure 2

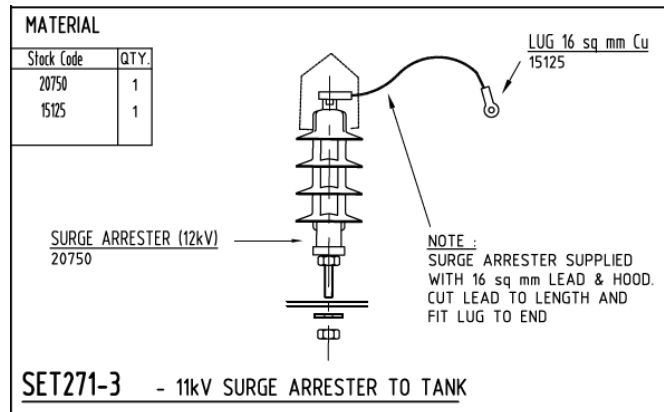


Figure 3

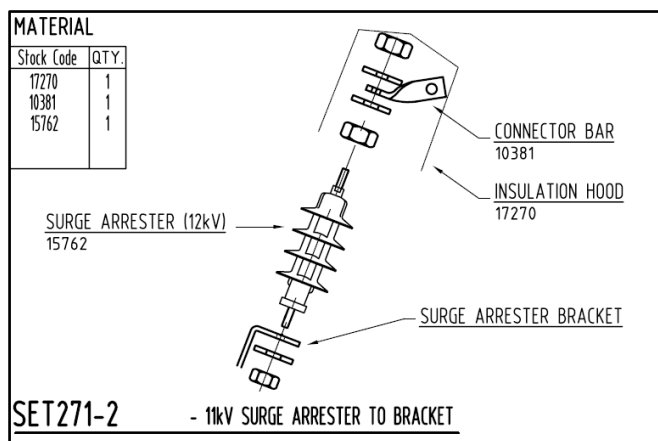


Figure 4

WARNING Do not use this for UG/OH termination arrangement

3.1.2 SC 20750

SC20750 shall be used where a connector bar SC10381 is used. The Energex construction is as per Section 1 Page 271 of the Energex OH construction manual.

NOTE SC20750 is to be used in transition arrangement of UG and OH construction where a connector bar SC 10381 is used.

3.2 Ergon (All regions)

- **SC 2403488** can be used as a direct replacement for **SC 701082** for all arrangements.
- For pole termination arrangement refer to existing Ergon UDCM page 540.

MATERIAL					
I.I. No.	QTY				
	540-1	540-2	540-3	540-4	540-5
2403488	1			1	
0701112		1	1		
0104287	1	1			1
0104495			1	1	
1762652	1	1			1
1779112	2	2			2
1779139	1	1			1
1727649			1	1	
1779103			2	2	
1778010			1	1	
0701155					1

Surge Arrester, 11kV 10kA 2403488, 22kV 10kA 0701112, 33kV 10kA 0701155

Download cable

Terminal, to suit M12 0104287, Terminal, to suit M16 0104495

Setscrew & Nut, S/S M12 x 35 1762652, Bolt & Nut, S/S M16 x 50 1727649

Washer, Rd. S/S M12 1779112, Washer, Rd. S/S M16 1779103

11/22kV Termination Bracket

Washer, Sp. S/S M12 1779139, Washer, Sp. S/S M16 1778010

Outdoor Termination

ASSEMBLY 540-1 ARRESTER 11kV MOUNTING TO BRACKET (M12)
ASSEMBLY 540-2 ARRESTER 22kV MOUNTING TO BRACKET (M12)
ASSEMBLY 540-3 ARRESTER 22kV MOUNTING TO BRACKET (M16) - 630mm² CABLE
ASSEMBLY 540-4 ARRESTER 11kV MOUNTING TO BRACKET (M16) - 400mm² CABLE
ASSEMBLY 540-5 ARRESTER 33kV MOUNTING TO BRACKET (M12)

A	ORIGINAL ISSUE	HARD COPY UNCONTROLLED	 Ergon Energy Corporation Ltd ABN 50 087 646 062	APPROVED	C. Noel	UNDERGROUND DISTRIBUTION ASSEMBLIES 11kV, 22kV & 33kV POLE TERMINATION ARRESTER MOUNTING TO BRACKET		
B	29.9.05			DATE	18/2/03			
C	21.03.11			PASSED	A. Bletchly			
				DRAWN	C.Lindsay	FILE: 5 52 5103 1		
						Page	540	C

4. Update to Manuals

Update to the manuals are not required due to this being a temporary arrangement only.

5. Further Information

Once normal supply is restored, further updates to this alert will be released.

For further information, please contact

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