

Surge Arresters for Axle Counters

27 March 2020

TP00007

Issue 1.0

1 Applicability

This bulletin applies to Siemens axle counters using ZP D 43 and ZP 43 E counting points.

It does **not** apply to ACM 100 axle counters using WSD counting points.

2 Information

Siemens recommends installing Surge Arresters at axle counter evaluators connected to ZP D 43 and ZP 43 E counting points to protect the evaluator from transients coupled into the connecting cables.




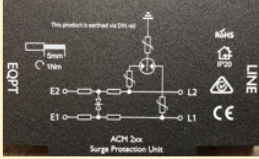
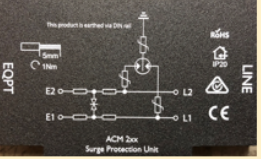
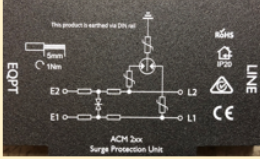
Siemens has developed surge arresters for which customers have sought different mounting arrangements. The part numbers for the variants have been confusing. The arresters were referenced as suitable for ACM 200 evaluators; however, they are suitable and recommended for the wider ACM 2xx family and the AzS 350 U.

This bulletin advises of:

- Changes to the label on the arresters and packaging
- Clarification of the appropriate mounting rails
- Revision of part numbers to uniquely define the product

There are three versions of the surge arrester. These are electrically and functionally identical, with identical performance, and are suitable for use with all Siemens evaluators that connect to ZP D 43 and ZP 43 E counting points. The only difference is the attachment to the mounting rail.

The surge arresters will be identified as ACM 2xx to define useability with ACM 200, ACM 250 and future axle counter evaluators. They are also suitable for use with AzS 350 U.

ACM 2xx	DIN RAIL	DIN RAIL REVERSE	G RAIL STANDARD																																																						
Part Number	V25552-B343-C1	V25552-B343-C1-R	V25552-B343-C1-TS32																																																						
Clip Orientation (From Above)																																																									
Label on Device Side																																																									
Label on Device Top	<table border="1"> <tr> <td>E1</td> <td>SIEMENS</td> <td>L1</td> </tr> <tr> <td colspan="3" style="text-align: center;">ACM 2xx</td> </tr> <tr> <td colspan="3" style="text-align: center;">Surge Protection</td> </tr> <tr> <td colspan="3" style="text-align: center;">V2 DIN Rail</td> </tr> <tr> <td colspan="3" style="text-align: center;">V25552-B343-C1</td> </tr> <tr> <td>E2</td> <td></td> <td>L2</td> </tr> </table>	E1	SIEMENS	L1	ACM 2xx			Surge Protection			V2 DIN Rail			V25552-B343-C1			E2		L2	<table border="1"> <tr> <td>L2</td> <td>SIEMENS</td> <td>E2</td> </tr> <tr> <td colspan="3" style="text-align: center;">ACM 2xx</td> </tr> <tr> <td colspan="3" style="text-align: center;">Surge Protection</td> </tr> <tr> <td colspan="3" style="text-align: center;">V2 DIN R Rail</td> </tr> <tr> <td colspan="3" style="text-align: center;">V25552-B343-C1-R</td> </tr> <tr> <td>L1</td> <td></td> <td>E1</td> </tr> </table>	L2	SIEMENS	E2	ACM 2xx			Surge Protection			V2 DIN R Rail			V25552-B343-C1-R			L1		E1	<table border="1"> <tr> <td>E1</td> <td>SIEMENS</td> <td>L1</td> </tr> <tr> <td colspan="3" style="text-align: center;">ACM 2xx</td> </tr> <tr> <td colspan="3" style="text-align: center;">Surge Protection</td> </tr> <tr> <td colspan="3" style="text-align: center;">V2 G Rail</td> </tr> <tr> <td colspan="3" style="text-align: center;">V25552-B343-C1-TS32</td> </tr> <tr> <td>E2</td> <td></td> <td>L2</td> </tr> </table>	E1	SIEMENS	L1	ACM 2xx			Surge Protection			V2 G Rail			V25552-B343-C1-TS32			E2		L2
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Label on Single Box and Bulk Box	ACM 2xx DIN Rail V25552-B343-C1	ACM 2xx DIN Reverse Rail V25552-B343-C1-R	ACM 2xx G Rail V25552-B343-C1-TS32																																																						
Currently Used By	Malaysia, Australia (Sydney Trains, Rio Tinto)	Indonesia (LRT Palembang)	Australia (V/Line)																																																						
Comments	Original	Not Recommended	Standard G Rail clip																																																						
Siemens AU SAP	106263276	Contact Siemens	107150967																																																						

The former G Rail Reverse variant is now called the G Rail Standard. There is no change to the AU SAP part number. This is the correct clip for conventional G rail installations.

Part number V25552-B343-C1-R is not recommended for use as it is inconsistent with normal wiring practice. It is currently used only by LRT Palembang (Indonesia).

Please see revised data sheet 11D-3 Issue 3.0.

3 What do I need to do?

We recommend that you update your records with the current part numbers.

There is no need to update the type approvals, with the possible exception of the part numbers, as the product design is unchanged.

4 Further Information

Please contact your Siemens representative, who can arrange for one of our experts to contact you.