

Migration Guideline

V20 FSA to V20 FSAA/FSAB

The Guideline Introduction:

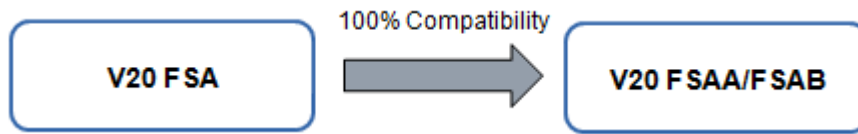
This guideline mainly shows the difference and compatibility between the V20 FSA and the V20 FSAA/FSAB (QPM 280: April 2016)

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1. Software Introduction



The software between V20 FSA and V20 FSAA/FSAB product are based on the same software platform, and offer the 100% compatibility.

The mainly focus is as follows:

- Parameters are the same, and it could be transferred between V20 FSA and V20 FSAA/FSAB product by SD/MMC card with back-up
- Setting Method and Operation Steps are the same
- Function are the same
- Controlling and Connect Method with the controller (e.g. S7-200 or any others) are the same

2. Hardware Introduction

The Specification is changed to smaller from the V20 FSA product to the V20 FSAA/FSAB, and the detailed parameters are as follows:

1AC 230V V20 FSAA/FSAB	kW	W	H	D	Compared with V20 FSA
FSAA	0.12	68mm	142mm	107.8mm	<ul style="list-style-type: none"> ▪ Reduce width 24% ▪ Reduce depth 26%
	0.25				
	0.37				
FSAB	0.55	127.8mm			<ul style="list-style-type: none"> ▪ Reduce depth 12%
	0.75				
1AC 230V V20 FSA	kW	W	H	D	Remark
FSA	0.12	90mm	150mm or 166mm	145.5mm	For the Height: <ul style="list-style-type: none"> ▪ Without Fan: 150mm ▪ With Fan: 166mm
	0.25				
	0.37				
	0.55				
	0.75				

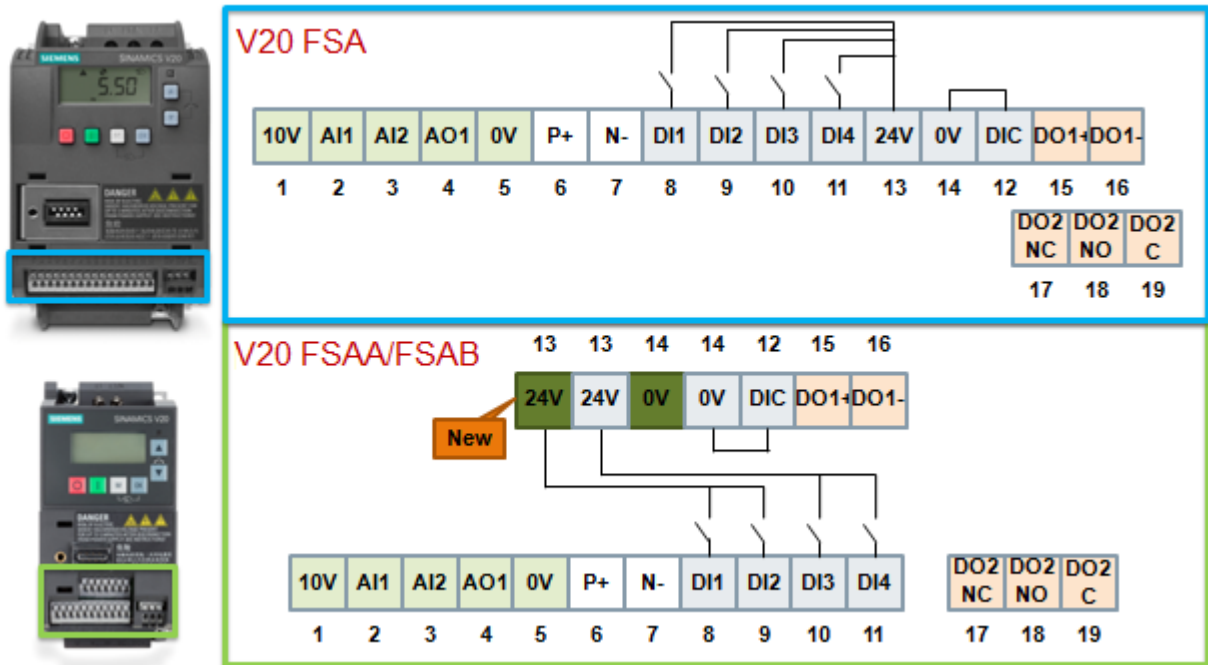
The change of module specification mainly affects the following parts:

- I/O interface layout
- Options specification

Details would be shown in the following chapter

2.1. I/O interface

- I/O interface definition is 100% same
- I/O interface layout is different due to the module specification is smaller



2.2. Options

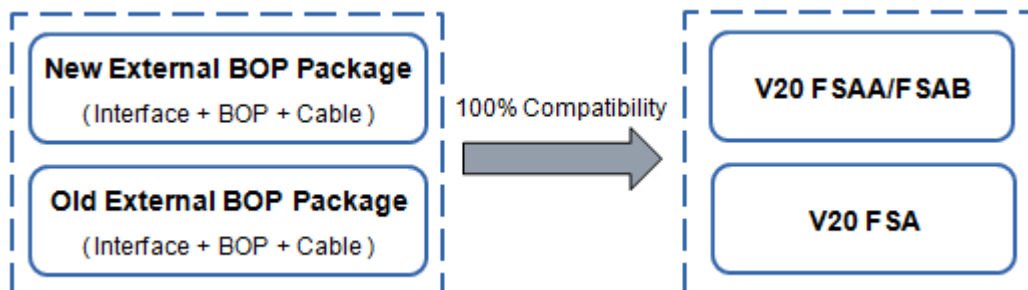
Mainly to introduce 2 options as follows:

- External BOP package (Interface + BOP + Cable)
- Parameter Loader

Note: For V20 FSAA/FSAB, we don't offer option of cable as it is formal cable with RJ45 interface, and customer could get it by themselves.

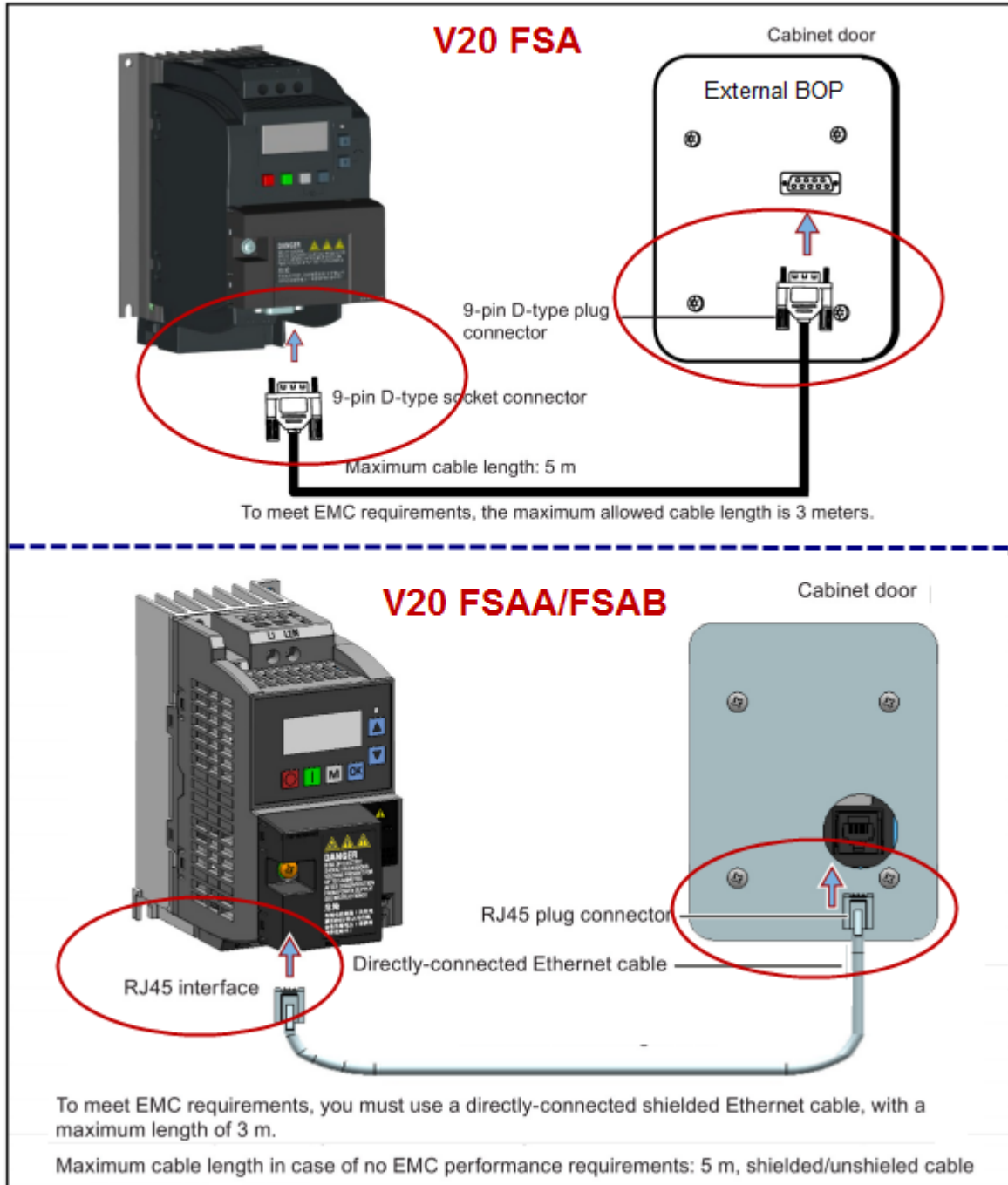
2.2.1. External BOP package

Consider as the External BOP package, both the new package or the old package would be compatible for either V20 FSAA/FSAB product or V20 FSA Product.



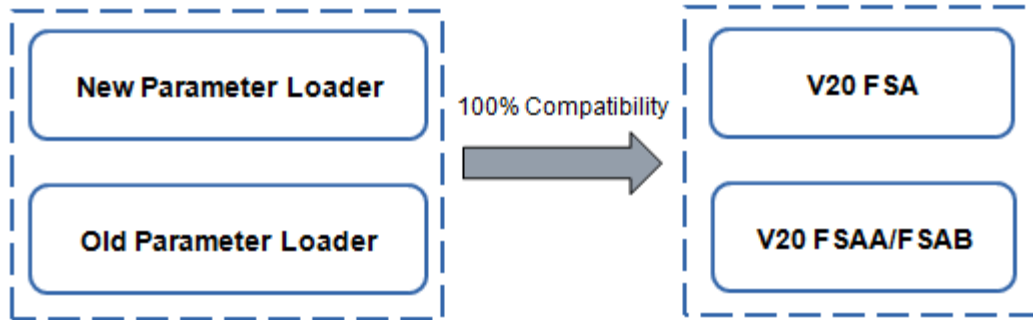
Note:

Single module between New and Old External BOP Package is not compatible.


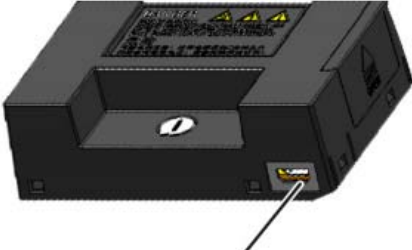
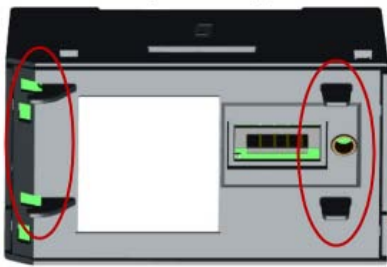



2.2.2. Parameter Loader

Parameter Loader is in 100% compatibility in function.



Only 2 difference as follows, but it would not affect the compatibility in using:

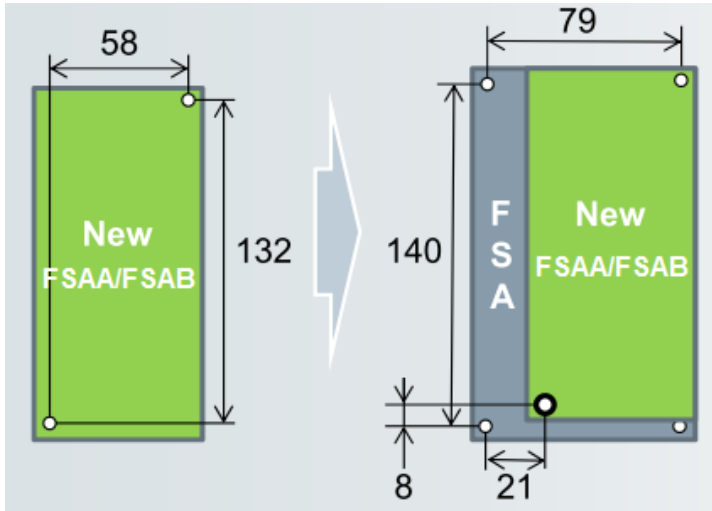
Old parameter loader	New parameter loader	Difference
<p>(Front view)</p>  <p>DC 5 V power supply socket</p>	<p>(Front view)</p>  <p>Micro USB interface</p>	<p>Power interface is changed: DC 5V socket → Micro USB</p>
<p>(Back view)</p> 	<p>(Back view)</p> 	<p>The quantity of fixed clips: New parameter loader: 2pc Old parameter loader: 4pc (marked in the position with red circle)</p>

3. Mechanical Introduction

As the hardware specification is smaller, it would also affect the installation in mechanical side.

3.1. General Installation

Compare with the V20 FSA product, we need only two M4 holes for the installation.



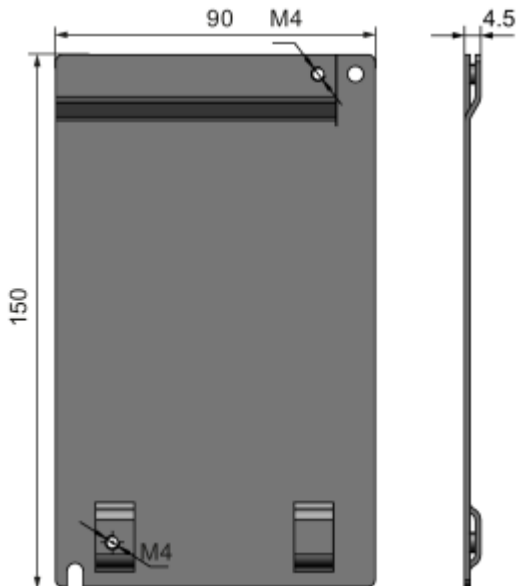
3.2. Migration Mounting Kit Installation

Migration Mounting Kit option could make it 100% compatibility for the size between the V20 FSAA/FSAB product and the V20 FSA product.

- The layout of migration mounting kit is 100% same with the V20 FSA
- It supports both Cabinet-panel Mounting Mode and DIN Rail Mode

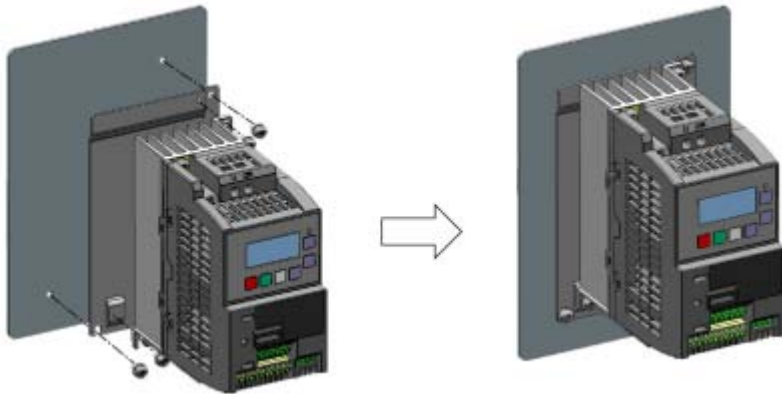
3.2.1 The outline dimensions and drill pattern (mm)

2 * M4 screws (tightening torque: 1.5Nm \pm 10%; length: 6mm to 10mm)

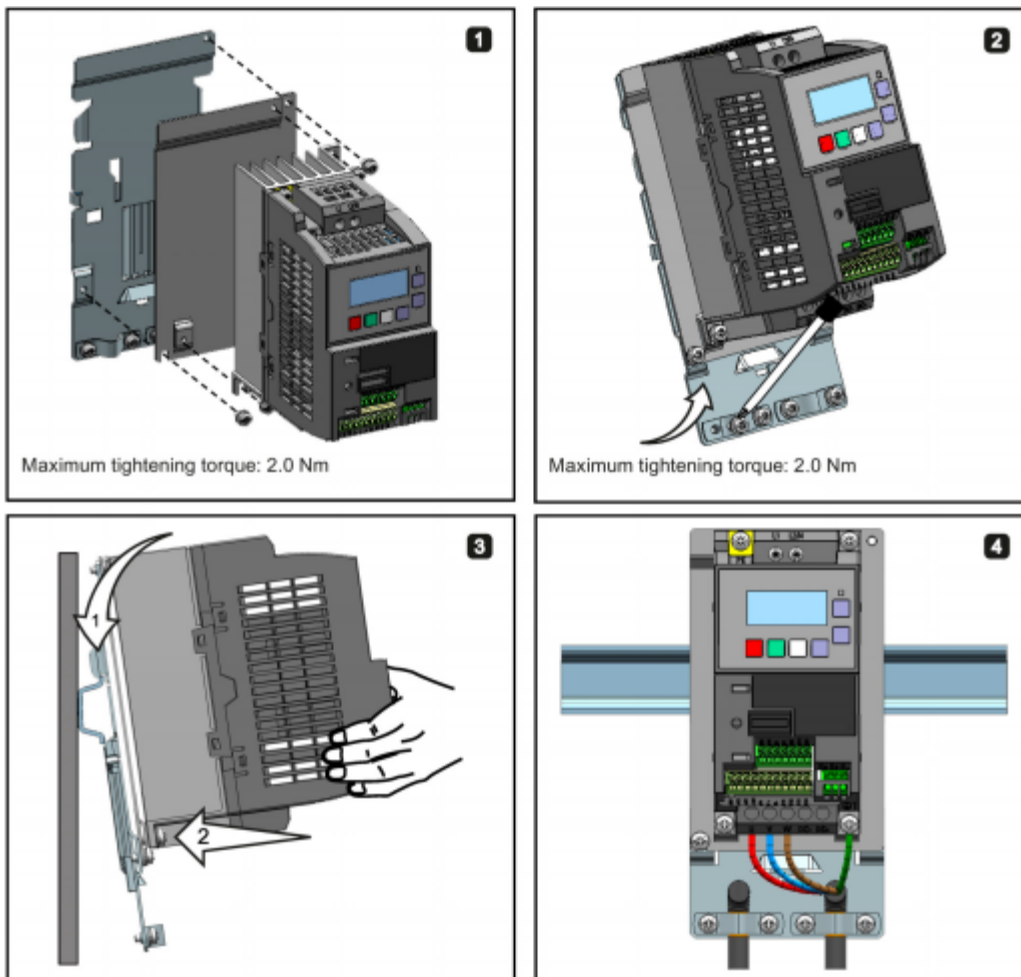


3.2.2 Fix the migration mounting kit

Cabinet-panel mounting mode:



DIN rail mounting mode:



4. Technical Support

Country	Hotline
China	+86 400 810 4288
France	+33 0821 801 122
Germany	+49 (0) 911 895 7222
Italy	+39 (02) 24362000
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Further Service contact information, please use the following website:

<https://support.industry.siemens.com/cs/ww/en/ps>