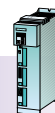


# SIMOVER MASTERDRIVES Motion Control

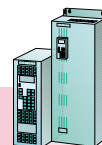
## Selection and ordering data

### Options

Compact  
PLUS units



Compact and  
chassis units



### Codes

Code	Description	MC+ = Motion Control Compact PLUS. ■ Standard. ● Option available. – Not available.													
		Converter				Inverter				Rectifier unit			AFE	Rectifier/regenerative unit	
Size		MC+	A-D	E-G	K	MC+	A-D	E-G	J	MC+	B-C	E		C	E
<b>Line-side radio-interference suppression and protective devices</b>															
L03	Basic interference suppression when radio-interference suppression filters are used	■	■	■	●	■	–	–	●	–	–	–	–	–	–
L20	Operation of the converters with an IT supply system	●	●	●	■	●	■	■	■	■	■	■	–	■	■
L30	Inverter fuses integrated, fuse type for DIN/IEC approval and	–	–	–	–	■	■	●	■	–	–	–	–	–	–
L33	Compact inverters without fuses	–	–	–	–	–	●	■	–	–	–	–	–	–	–
<b>Electrical options</b>															
K80	Safe Stop	●	–	●	●	●	■	●	●	–	–	–	–	–	–
K91	DC link current measuring unit	–	–	–	–	–	–	–	–	–	●	●	–	■	■
<b>Mechanical options</b>															
M20	Enclosure <sup>1)</sup> for increasing the degree of protection to IP 20	■	■	●	–	■	■	●	–	■	■	●	–	■	●
<b>Documentation</b>															
D72	Documentation in Italian/English	●	●	●	●	●	●	●	●	●	●	●	–	●	●
D77	Documentation in French/English	●	●	●	●	●	●	●	●	●	●	●	–	●	●
D78	Documentation in Spanish/English	●	●	●	●	●	●	●	●	●	●	●	–	●	●
D99 <sup>2)</sup>	Supplied without documentation	●	●	●	●	●	●	●	●	●	●	●	–	●	●

### Brief description of the options

<p><b>L03</b> <b>Ground-interference suppression when radio-interference suppression filters are used with TT and TN systems</b> With the L03 option, unit sizes J to X are fitted with discharge capacitors in the DC link.</p>	<p><b>L33</b> <b>Compact inverters without fuses</b> For a description, see L30. With the L33 option, which can be used for compact inverters sizes A to D, the inverter fuses are not built into the inverter and are <u>not</u> supplied with the drive unit. The inverter fuses must be ordered separately and mounted externally.</p>	<p><b>K80</b> <b>Safe Stop</b> The function "Safe Stop" is a "device for the prevention of an unexpected start-up" to EN 60 204-1, section 5.4. It is realized in connection with an external circuit. The "Safe Stop" function can be retrofitted by Siemens personnel only with converters and inverters of frame sizes E to K.</p>	<p>Operating instructions are supplied in Italian/English.</p>
<p><b>L20</b> <b>Operation with an IT system</b> With the L20 option, operation with non-earthed systems (IT systems), the basic-interference capacitors built in as standard are removed.</p>		<p><b>K91</b> <b>DC link current measurement</b> In the rectifier units sizes B, C and E, the DC link current is measured indirectly via the line-side current transformers.</p>	<p><b>D77</b> <b>Documentation in French/English</b> Operating instructions are supplied in French/English.</p>
<p><b>L30</b> <b>Inverter fuses installed, fuse type for DIN/IEC approval and </b> Option L30 can only be used for inverter sizes E to G. Inverter fuses are for protecting inverters connected to a DC bus. Inverter fuses must always be provided when at least 2 inverters are operated on this bus. The inverters do not have to be protected when a single inverter of a rectifier</p>		<p><b>M20</b> <b>IP 20 panels</b> With the M20 option, unit sizes E to G are provided with an IP 20 enclosure (wall mounting possible). Control is via a PMU built-into the front panel.</p>	<p><b>D78</b> <b>Documentation in Spanish/English</b> Operating instructions are supplied in Spanish/English.</p>
		<p><b>D72</b> <b>Documentation in Italian/English</b></p>	<p><b>D99<sup>2)</sup></b> <b>Supplied without operating instructions and without DriveMonitor</b> If this option is chosen, no operating instructions or SIMOVIS software (no CD-ROM) is delivered.</p>

1) The enclosures can also be supplied separately. See "Selection and ordering data – Mechanical components".

2) Regarding the EU guidelines, the orderer of this option has to ensure that the documentation is made available to the end user in the context of the machine and equipment documentation.