

MLFB-Ordering data

6SL3210-5BB23-0BV1



Figure similar

Client order no. :

Order no. :

Offer no. :

Remarks :

Item no. :

Consignment no. :

Project :

Rated data	General tech. specifications																																														
Input <table> <tr> <td>Number of phases</td><td>1 AC</td></tr> <tr> <td>Line voltage</td><td>200 ... 240 V -15 % +10 %</td></tr> <tr> <td>Line frequency</td><td>47 ... 63 Hz</td></tr> </table> Output <table> <tr> <td>Number of phases</td><td>3 AC</td></tr> <tr> <td>Rated voltage</td><td>230 V</td></tr> <tr> <td>Rated power (HO)</td><td>3.00 kW / 4.00 hp</td></tr> <tr> <td>Rated power (LO)</td><td>3.00 kW / 4.00 hp</td></tr> <tr> <td>Rated current (HO)</td><td>13.60 A</td></tr> <tr> <td>Rated current (LO)</td><td>13.60 A</td></tr> <tr> <td>Pulse frequency</td><td>8.00 kHz</td></tr> <tr> <td>Output frequency</td><td>0 ... 550 Hz</td></tr> </table>	Number of phases	1 AC	Line voltage	200 ... 240 V -15 % +10 %	Line frequency	47 ... 63 Hz	Number of phases	3 AC	Rated voltage	230 V	Rated power (HO)	3.00 kW / 4.00 hp	Rated power (LO)	3.00 kW / 4.00 hp	Rated current (HO)	13.60 A	Rated current (LO)	13.60 A	Pulse frequency	8.00 kHz	Output frequency	0 ... 550 Hz	<table> <tr> <td>Power factor λ</td><td>0.72</td></tr> <tr> <td>Offset factor $\cos \varphi$</td><td>0.95</td></tr> <tr> <td>Efficiency η</td><td>0.98</td></tr> <tr> <td>Filter class (integrated)</td><td>Class B</td></tr> </table> Ambient conditions <table> <tr> <td>Cooling</td><td>External fan</td></tr> <tr> <td>Installation altitude</td><td>1000 m (3281 ft)</td></tr> </table> Ambient temperature <table> <tr> <td>Operation</td><td>-10 ... 60 °C (14 ... 140 °F)</td></tr> <tr> <td>Storage</td><td>-40 ... 70 °C (-40 ... 158 °F)</td></tr> </table> Relative humidity <table> <tr> <td>Max. operation</td><td>95 %</td></tr> </table> Communication <table> <tr> <td>Communication</td><td>USS, Modbus RTU</td></tr> </table> Standards <table> <tr> <td>Compliance with standards</td><td>CE, cULus, C-Tick (RCM)</td></tr> <tr> <td>CE marking</td><td>EN 61800-5-1 /EN 60204-1 and EN 61800-3</td></tr> </table>	Power factor λ	0.72	Offset factor $\cos \varphi$	0.95	Efficiency η	0.98	Filter class (integrated)	Class B	Cooling	External fan	Installation altitude	1000 m (3281 ft)	Operation	-10 ... 60 °C (14 ... 140 °F)	Storage	-40 ... 70 °C (-40 ... 158 °F)	Max. operation	95 %	Communication	USS, Modbus RTU	Compliance with standards	CE, cULus, C-Tick (RCM)	CE marking	EN 61800-5-1 /EN 60204-1 and EN 61800-3
Number of phases	1 AC																																														
Line voltage	200 ... 240 V -15 % +10 %																																														
Line frequency	47 ... 63 Hz																																														
Number of phases	3 AC																																														
Rated voltage	230 V																																														
Rated power (HO)	3.00 kW / 4.00 hp																																														
Rated power (LO)	3.00 kW / 4.00 hp																																														
Rated current (HO)	13.60 A																																														
Rated current (LO)	13.60 A																																														
Pulse frequency	8.00 kHz																																														
Output frequency	0 ... 550 Hz																																														
Power factor λ	0.72																																														
Offset factor $\cos \varphi$	0.95																																														
Efficiency η	0.98																																														
Filter class (integrated)	Class B																																														
Cooling	External fan																																														
Installation altitude	1000 m (3281 ft)																																														
Operation	-10 ... 60 °C (14 ... 140 °F)																																														
Storage	-40 ... 70 °C (-40 ... 158 °F)																																														
Max. operation	95 %																																														
Communication	USS, Modbus RTU																																														
Compliance with standards	CE, cULus, C-Tick (RCM)																																														
CE marking	EN 61800-5-1 /EN 60204-1 and EN 61800-3																																														

Overload capability

Low Overload (LO)

110 % rated output current for 60 s, cycle time 300 s

High Overload (HO)

150 % rated output current for 60 s, cycle time 300 s



Figure similar

Mechanical data

Mounting position	Wall mounting / side-by-side mounting
Degree of protection	IP20
Size	FSAD
Net weight	2.20 kg (4.85 lb)
Width	136.6 mm (5.38 in)
Height	176.5 mm (6.95 in)
Depth	158.8 mm (6.25 in)

Inputs / outputs

Standard digital inputs

Number	4
--------	---

Digital outputs

Number as relay changeover contact	1
Number as transistor	1

Analog inputs

Number	2 (Can be used as additional digital input)
--------	---

Analog outputs

Number	1
--------	---

Connections

Max. motor cable length

Shielded	25 m (82 ft)
Unshielded	50 m (164 ft)