

Article No. : 6SL3210-5BB12-5BV1

Client order no. :  
Order no. :  
Offer no. :  
Remarks :

Item no. :  
Consignment no. :  
Project :



Figure similar

Rated data

|                  |                           |
|------------------|---------------------------|
| Input            |                           |
| Number of phases | 1 AC                      |
| Line voltage     | 200 ... 240 V -15 % +10 % |
| Line frequency   | 47 ... 63 Hz              |

|                    |                                |
|--------------------|--------------------------------|
| Output             |                                |
| Number of phases   | 3 AC                           |
| Rated voltage      | 230V IEC240V NEC <sup>1)</sup> |
| Rated power (LO)   | 0.25 kW0.25 hp                 |
| Rated power (HO)   | 0.25 kW0.33 hp                 |
| Rated current (LO) | 1.70 A1.70 A                   |
| Rated current (HO) | 1.70 A1.70 A                   |
| Rated current (IN) | 1.70 A                         |
| Pulse frequency    | 8.00 kHz                       |
| Output frequency   | 0 ... 550 Hz                   |

|                                                       |  |
|-------------------------------------------------------|--|
| 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 |  |

General tech. specifications

|                           |         |
|---------------------------|---------|
| Power factor λ            | 0.72    |
| Offset factor cos φ       | 0.95    |
| Efficiency η              | 0.98    |
| Filter class (integrated) | Class B |

Communication

|               |                 |
|---------------|-----------------|
| Communication | USS, Modbus RTU |
|---------------|-----------------|

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 |

Ambient conditions

|                       |                       |
|-----------------------|-----------------------|
| Cooling               | convection cooling    |
| Installation altitude | 1,000 m (3,280.84 ft) |

|                         |                                |
|-------------------------|--------------------------------|
| Ambient temperature     |                                |
| Operation <sup>2)</sup> | -10 ... 60 °C (14 ... 140 °F)  |
| Storage                 | -40 ... 70 °C (-40 ... 158 °F) |

|                   |      |
|-------------------|------|
| Relative humidity |      |
| Max. operation    | 95 % |

Connections

|                         |                  |
|-------------------------|------------------|
| Max. motor cable length |                  |
| Shielded                | 25 m (82.02 ft)  |
| Unshielded              | 50 m (164.04 ft) |

Mechanical data

|                      |                                       |
|----------------------|---------------------------------------|
| Mounting position    | Wall mounting / side-by-side mounting |
| Degree of protection | IP20 / UL open type                   |
| Frame size           | F5AA                                  |
| Net weight           | 0.60 kg (1.32 lb)                     |

|            |                    |
|------------|--------------------|
| Dimensions |                    |
| Width      | 68.0 mm (2.68 in)  |
| Height     | 142.0 mm (5.59 in) |
| Depth      | 107.8 mm (4.24 in) |

Standards

|                           |                                         |
|---------------------------|-----------------------------------------|
| Compliance with standards | CE, cULus, C-Tick (RCM), KC             |
| CE marking                | EN 61800-5-1 /EN 60204-1 and EN 61800-3 |

<sup>1)</sup>The output current and HP ratings are valid for the voltage range 220V-240V  
<sup>2)</sup>Please observe derating at temperatures of 40 °C or above