

SINAMICS V20 变频器能耗制动模块（选件）

SINAMICS V20 Inverter – Dynamic braking module (option)

注意

该模块仅适用于外形尺寸为 A 到 C 的变频器。

NOTICE

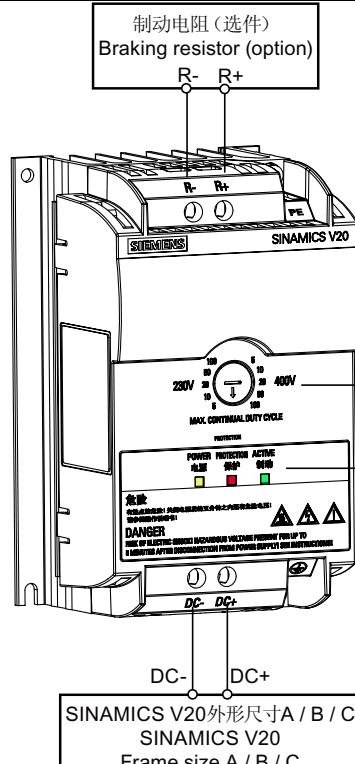
This module is applicable for frame sizes A to C only.

功能

Functionality

能耗制动模块（可控制外接制动电阻）用于实现变频器的能耗制动。能耗制动将电机制动时产生的再生能量转换成热能，较常应用于皮带输送机或起重机等。

A dynamic braking module which can control an external braking resistor is required for dynamic braking. Dynamic braking converts the regenerative energy, which is released when the motor brakes, into heat. It is typically used in applications such as conveyor drives or hoisting gear.

 <p>制动手动 (选件) Braking resistor (option)</p> <p>R- R+</p> <p>DC- DC+</p> <p>SINAMICS V20 外形尺寸 A / B / C SINAMICS V20 Frame size A / B / C</p>	<p>订货号: 6SL3201-2AD20-8VA0</p> <p>状态 LED: 电源 (黄色)：模块已上电。 保护 (红色)：模块处于保护模式。 制动 (绿色)：模块正在将电机制动时产生的再生能量转换成热能。</p> <p>占空比控制旋钮: 230 V: 用于设定 230 V 变频器的占空比。 400 V: 用于设定 400 V 变频器的占空比。 5: 占空比 5% 10: 占空比 10% 20: 占空比 20% 50: 占空比 50% 100: 占空比 100%</p>	<p>Order number: 6SL3201-2AD20-8VA0</p> <p>Status LEDs: POWER (yellow): Module is powered up. PROTECTION (red): Module is in protection mode. ACTIVE (green): Module is releasing regenerative energy produced when the motor brakes into heat.</p> <p>Duty cycle control knob: 230 V: Duty cycle values labeled are for 230 V inverters. 400 V: Duty cycle values labeled are for 400 V inverters. 5: 5% duty cycle 10: 10% duty cycle 20: 20% duty cycle 50: 50% duty cycle 100: 100% duty cycle</p>
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技术规格

Technical specifications

<ul style="list-style-type: none">最大额定功率: 3.0 kW (230 V 变频器) / 5.5 kW (400 V 变频器)尺寸 (长 x 宽 x 高) : 150 x 90 x 88 (mm)安装方式: 壁式安装 (4 x M4 组合螺钉)制动电阻最大占空比: 100 %保护功能: 短路保护、过热保护最大电缆长度:<ul style="list-style-type: none">能耗制动模块至变频器连接电缆: 1 m能耗制动模块至制动电阻连接电缆: 10 m外接制动电阻最小阻值: 56 Ω	<ul style="list-style-type: none">Maximum power rating: 3.0 kW (230 V inverters) / 5.5 kW (400 V inverters)Outline dimensions (L x W x D): 150 x 90 x 88 (mm)Mounting: cabinet panel mounting (4 x M4 screws)Maximum brake chopper duty cycle: 100 %Protection functions: short-circuit protection, over-temperature protectionMaximum cable length:<ul style="list-style-type: none">braking module to inverter: 1 mbraking module to braking resistor: 10 mMinimum resistance of the external braking resistor: 56 Ω
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