

BES Models For Ordinary High-speed Control

Specifications

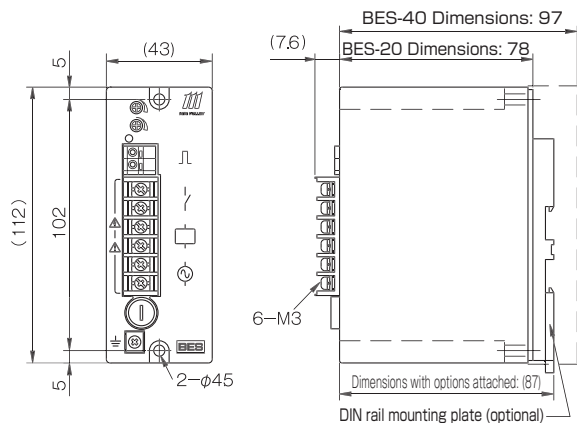
Model	BES-20-□-1	BES-40-□-1	BES-20-□	BES-40-□
Input voltage	AC100V ± 10%	50/60Hz	AC200V ± 10%	50/60Hz
Output current	2.0A	4.0A	2.0A	4.0A
Voltage control system	PWM control			
Constant excitation voltage	Adjusted for each model and size at the time of shipment			
Overexcitation voltage	DC 90 V Full-wave (with AC 100 V input)		DC 180 V Full-wave (with AC 200 V input)	
Overexcitation time	Adjusted for each model and size at the time of shipment			
Protective functions	Input side Quick-acting fuse (5A)			
Insulating resistance	DC 500 V	With Megger	100 M Ω (between terminal and main body)	
Dielectric strength voltage	AC 1000 V 50 Hz 1 min. (between terminal and main body)			
Usage environment	-10 to +50°C /10 to 90%RH (with no condensation)			
Mass	0.3kg	0.7kg	0.3kg	0.7kg

* The voltage that is output is not insulated from the power supply, so shocks can result if touched.

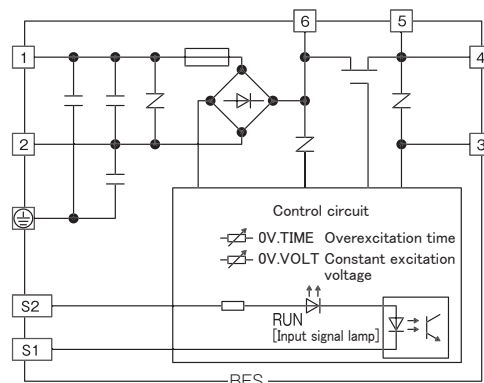
Terminals and Functions

Terminal symbol	Terminal name	Function description
1-2	Power supply input terminal	Connector for a commercial power supply
3-4	Output terminal	Connector for an electromagnetic clutch or brake
5-6	Control terminal 1	Output is controlled by opening and closing between terminals using a relay or the like.
	Ground terminal	External ground terminal (third class ground or more)
51-52	Control terminal 2	Output is controlled by turning the DC 24 V on and off (30 mA, smoothing power supply)

Dimensions



Structure



How to Place an Order

BES-20-10-1 DIN

Output current: 20: 2 A, 40: 4 A
 Refer to the power supply size compatibility table
 Input voltage 1: 100 V AC, Blank: 200 V AC

Mounting method: DIN: Mounting by DIN mounting rail, Blank: Direct mounting
 *The DIN mounting rail mounting option can only be set for BES-20.

Options (Sets that meet EMC directives)

Equipment can conform to EC directives (for the CE marking) if you also order, using the following model number, a noise filter (one) and ferrite cores (two) as a set to meet EMC directives.

BES-20-EMC

Table of Power Supply/Size Correspondence

MIKI PULLEY electromagnetic-actuated clutch/brake size	02	025	03	04	05	06	08	10	12	16	20	25					
Nominal power supply output current												20	40				
Power supply size	Excitation voltage For 24 V											05	10	16	20	25	
MIKI PULLEY electromagnetic tooth clutch sizes	12	13	15	21	23	25	31	32									
Nominal power supply output current									20					40			
Power supply size	Excitation voltage For 24 V								51	52		53					
MIKI PULLEY spring-actuated brake size	01	02	03	04	05	06	08	10	12	14	16	18	20	25			
Nominal power supply output current															20		
Power supply size	Excitation voltage 45/90 V														61	62	63
	Excitation voltage For 24 V														71	72	73

* The constant excitation voltage for the 45/90 V excitation voltages of spring-actuated brakes is the DC 45 V specification for an input of AC 100 V and the DC 90 V specification for an input of AC 200 V.