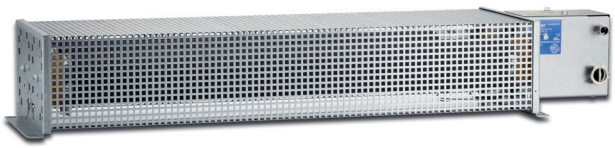
BUCHER
automation

Brake resistors for the JetMove-3xxx series

Servo amplifiers



Actual product not shown

Description

Supply units of the JM-3Pxx-xxR1xx ordering option come with an integrated brake resistor. If the integrated resistor is not sufficient, external brake resistors are available. For a cross reference of braking resistors and suitable JetMove models see the table on the opposite page. The user manual also specifies the minimum ohmic resistance that is allowed for an external brake resistor.

Ambient conditions

	JBR-039.02.540-UR JBR-020.02.540-UR	JBR-039.03.540-UR JBR-020.03.540-UR	JBR-039.10.201-UR JBR-020.10.201-UR JBR-039.20.201-UR JBR-020.20.201-UR	JBR090.10.201-UR JBR026.20.201-UR
Surface temperature	> 250 °C	> 250 °C	> 250 °C	> 250 °C
Protection against accidental contact	No	No	Yes	Yes
Voltage	DC 848 V max.	DC 848 V max.	DC 848 V max.	DC 848 V max.
High-voltage strength	DC 4,000 V	DC 4,000 V	DC 4,000 V	DC 4,000 V
Temperature protection	6.3 A / 230 V	6.3 A / 230 V	Yes, with bimetallic projector; 2.0 A / 230 V	Yes, with bimetallic projector; 2.0 A / 230 V
Certifications	CE, UL	CE, UL	CE, UL	CE, UL
Connectivity	Insulated stranded wire, 1 m	Insulated stranded wire, 1 m	Terminals in terminal box with cable gland	Terminals in terminal box with cable gland

Technical specifications and JetMove assignment

	JBR-039.02.540-UR	JBR-020.02.540-UR	JBR-039.03.540-UR	JBR-020.03.540-UR
Optional use with JM-3Pxx, if brake resistor is not built-in or disconnected	JM-3P10 (150 W)	JM-3P22 (150 W)	JM-3P10 (300 W)	JM-3P22 (300 W)
Model variant	A1	A1	A2	A2
Usage	JM-3xxx	JM-3xxx	JM-3xxx	JM-3xxx
Certifications	UL	UL	UL	UL
Degree of protection [3]	IP54	IP54	IP54	IP54
Resistance	39 Ω	20 Ω	39 Ω	20 Ω
Continuous power [2]	150 W	150 W	300 W	300 W
Maximum conductor size	AWG 14/18 2.08/0.82 mm²	AWG 14/18 2.08/0.82 mm²	AWG 14/18 2.08/0.82 mm²	AWG 14/18 2.08/0.82 mm²
Weight	0.42 kg	0.42 kg	0.85 kg	0.85 kg
Peak braking power	16 kW	32 kW	16 kW	32 kW
Dimensions (H x W x D) in mm	90 x 160 x 15	90 x 160 x 15	90 x 320 x 15	90 x 320 x 15

Technical specifications and JetMove assignment

	JBR-039.10.201-UR	JBR-020.10.201-UR	JBR-039.20.201-UR	JBR-020.20.201-UR
Optional use with JM-3Pxx, if brake resistor is not built-in or disconnected	JM-3P10 (1000 W)	JM-3P22 (1000 W)	JM-3P10 (2000 W)	JM-3P22 (2000 W)
Model variant	A4	A4	A5	A5
Usage	JM-3xxx	JM-3xxx	JM-3xxx	JM-3xxx
Certifications	UL	UL	UL	UL
Degree of protection [3]	IP20	IP20	IP20	IP20
Resistance	39	20	39	20
Continuous power [2]	1000 W	1000 W	2000 W	2000 W
Maximum conductor size	AWG 6/12 10/2.5 mm²	AWG 6/12 10/2.5 mm²	AWG 6/12 10/2.5 mm²	AWG 6/12 10/2.5 mm²
Weight	4 kg	4 kg	6.7 kg	6.7 kg
Peak braking power	16 kW	32 kW	16 kW	32 kW
Dimensions (H x W x D) in mm	92 x 749 x 120	92 x 749 x 120	185 x 749 x 120	185 x 749 x 120

Technical specifications and JetMove assignment

	JBR090.10.201-UR	JBR026.20.201-UR
Optional use with JM-3Pxx, if	JM-3xxx	
brake resistor is not built-in or disconnected	JM-3P10	
Model variant	A4	A5
Usage	JM-3xxx	JM-3xxx
Certifications	UL	UL
Degree of protection [3]	IP20	IP20
Resistance	90 Ω	26 Ω
Continuous power [2]	1000	2000
Maximum conductor size	AWG 6/12; 10/2,5 mm²	AWG 6/12; 0/2,5 mm²
Weight	4 kg	6.7 kg
Peak braking power	6250 W	21635 W
Dimensions (H x W x D) in mm	92 x 749 x 120	185 x 749 x 120

[1] Once for 0.5 s max., then cool down for at least 10 min.

[2] For cycle times of 150 s max., the required rated continuous braking power is calculated follows:
Rated continuous braking power (W) = max. pulse duration (s) x peak power (W) / cycle time (s).

[3] If mounted on a suitable surface.

Ordering information

Item no.	Designation	Description
60880604_00	JBR-039.02.540-UR	Brake resistor for JM-3P10 (150 W)
60880605_00	JBR-020.02.540-UR	Brake resistor for JM-3P22 (150 W)
60880606_00	JBR-039.03.540-UR	Brake resistor for JM-3P10 (300 W)
60880607_00	JBR-020.03.540-UR	Brake resistor for JM-3P22 (300 W)
60880608_00	JBR-039.10.201-UR	Brake resistor for JM-3P10 (1000 W)
60880609_00	JBR-020.10.201-UR	Brake resistor for JM-3P22 (1000 W)
60880610_00	JBR-039.20.201-UR	Brake resistor for JM-3P10 (2000 W)
60880611_00	JBR-020.20.201-UR	Brake resistor for JM-3P22 (2000 W)

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Further details and order information are available on request. Specifications are subject to change without notice. Errors and omissions excepted.

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