

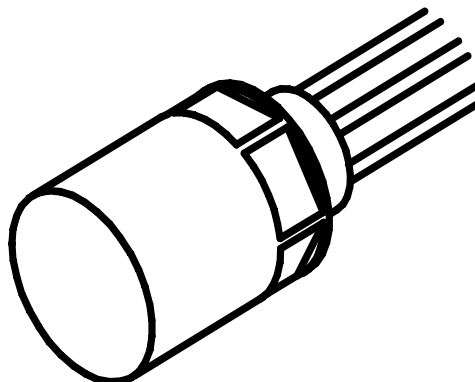
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Document	Version
Product Data	1.1

Murrelektronik-Motor Suppressor

- Protects systems and devices from induced Voltage peaks
- Installation as close as possible to the motor / source of interference
- RC elements must not be operated with a frequency converter



Art.-No.	Product designation	Nominal voltage UL	C  US
23170	RC 3R-400/4-M16 X 1,5 RKS-M6	≤400 V~	✓
23171	RC 3 R-400/7,5-M16 X 1,5	-	
23172	RC 3 R-575/4-M16 X 1,5	≤575 V~	✓
23173	RC 3 R-575/7,5-M16 X 1,5	≤575 V~	✓
23174	RC 3 R-690/7,5-M16 X 1,5	-	
23175	RC 3 R-400/4-M16 X 1,5 RKS-M4	≤400 V~	✓
236129	RC 3 R-575/7,5 mit M16X1,5 RKS-M6	≤575 V~	✓
236150	RC 3R-500/4 M16X1,5/RKS-M4	-	
236161	RC 3 R-575/4 M16X1,5/RKS-M4	-	
236178	RC 3 R- 575/4 WITH FERRULE	-	
236183	RC 3 R-575/7,5-M16 X 1,5	-	
236190	RC 3 R-575/4 M16X1,5RK4	-	
236245	RC3R-230/4 M16x1,5	-	



Planning information, background information and accessories can be found at:
shop.murrelektronik.com

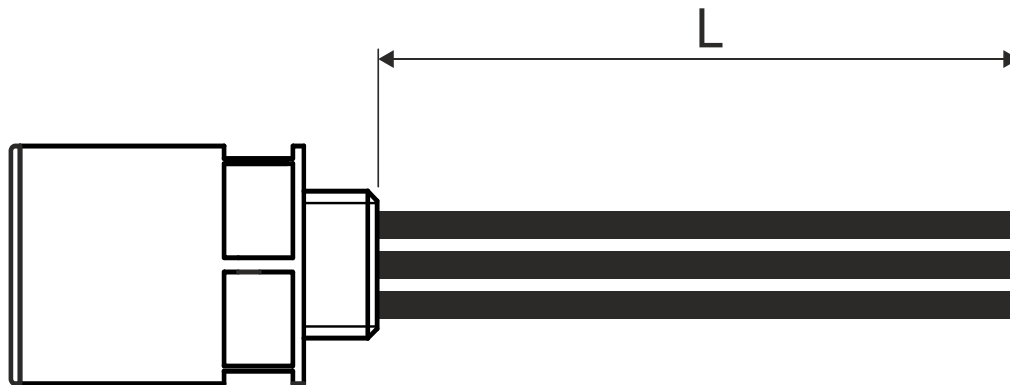
1 Electrical data

Electrical data								
Art.-No.	Nominal voltage	Frequency	Shutdown peak voltage	max. Engine power	max. Switching frequency	Connection type	Phases	Values
23170	≤400 V~	10 ... 400 Hz	≤850 V	4 kW	0.5 Hz	VDR star connection	3	S10
23171	≤400 V~	10 ... 400 Hz	≤850 V	7,5 kW	0.5 Hz	VDR star connection	3	S14
23172	≤575 V~	10 ... 400 Hz	≤1050 V	4 kW	0.5 Hz	VDR delta connection	3	S10
23173	≤575 V~	10 ... 400 Hz	≤1050 V	7,5 kW	0.5 Hz	VDR star connection	3	S14
23174	≤690 V~	10 ... 400 Hz	≤1200 V	7,5 kW	0.5 Hz	VDR star connection	3	S14
23175	≤400 V~	10 ... 400 Hz	≤850 V	4 kW	0.5 Hz	VDR star connection	3	S10
236129	≤575 V~	10 ... 400 Hz	≤1438 V	7,5 kW	0.5 Hz	VDR star connection	3	S14
236150	≤500 V~	50 ... 400 Hz	≤750 V	4 kW	0.1 Hz	VDR star connection	3	S10
236161	≤575 V~	10 ... 400 Hz	≤1240 V	4 kW	0.5 Hz	VDR star connection	3	S10
236178	≤575 V~	10 ... 400 Hz	≤1050 V	4 kW	0.5 Hz	VDR delta connection	3	S10
236183	≤575 V~	10 ... 400 Hz	≤1050 V	7,5 kW	0.5 Hz	VDR star connection	3	S14
236190	≤575 V~	10 ... 400 Hz	≤1050 V	4 kW	0.5 Hz	VDR delta connection	3	S10
236245	≤230 V~	10 ... 400 Hz	≤480 V	4 kW	0.5 Hz	VDR star connection	3	S10



Fig. 1-1: VDR

Connection					
Art.-No.	Wire-Ø	UL Style	Length (L in mm)	Connection type	Connection size
23170	AWG 20	1015	100 +/- 5	①	M6
23171	AWG 20	1015	100 +/- 5	①	M6
23172	AWG 20	1015	100 +/- 5	①	M6
23173	AWG 20	1015	100 +/- 5	①	M6
23174	AWG 20	-	100 +/- 5	①	M6
23175	AWG 20	1015	100 +/- 5	①	M4
236129	AWG 20	1015	160 +/- 10	①	M6
236150	AWG 18	1015	130 +/- 5	①	M4
236161	AWG 20	1015	130 +/- 5	①	M4
236178	AWG 20	1015	140 +/- 5	②	l=15 mm
236183	AWG 20	1015	150 +/- 5	③	l=5 mm
236190	AWG 20	1015	100 +/- 5	①	M4
236245	AWG 20	1015	100 +/- 5	①	M4



① Fig. 1-2: Ring cable lug



② Fig. 1-3: Wire end ferrule



③ Fig. 1-4: Open wire

2 Environmental characteristics

Ambient temperature range		-20 °C ... +60 °C
Storage temperature		-55 °C ... +80 °C
Installation height	Above mean sea level	≤2 000 m
Relative humidity	No condensation	5 ... 85 %

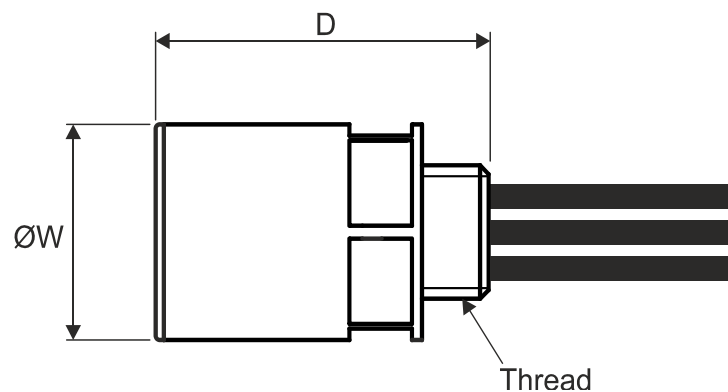
3 Protection

Degree of protection	EN 60529	IP20
Degree of pollution		3
Overvoltage category		III

4 Mechanical data

Housing material		Plastic
Flame resistance	EN60695	Of low flammability
Flammability	UL94	V0

Art.-No.	Weight net	Fastening	Dimensions (ØW/D in mm)
23170	58 g	M16x1,5 thread for direct connection to the terminal box of the motor thread length: 8mm	25x40
23171	58 g	M16x1,5 thread for direct connection to the terminal box of the motor thread length: 8mm	25x40
23172	58 g	M16x1,5 thread for direct connection to the terminal box of the motor thread length: 8mm	25x40
23173	35 g	M16x1,5 thread for direct connection to the terminal box of the motor thread length: 8mm	25x40
23174	58 g	M16x1,5 thread for direct connection to the terminal box of the motor thread length: 8mm	25x40
23175	58 g	M16x1,5 thread for direct connection to the terminal box of the motor thread length: 8mm	25x40
236129	58 g	M16x1,5 thread for direct connection to the terminal box of the motor thread length: 8mm	25x40
236150	24 g	M16x1,5 thread for direct connection to the terminal box of the motor thread length: 8mm	25x40
236161	58 g	M16x1,5 thread for direct connection to the terminal box of the motor thread length: 8mm	25x40
236178	30 g	M16x1,5 thread for direct connection to the terminal box of the motor thread length: 8mm	25x40
236183	35 g	M16x1,5 thread for direct connection to the terminal box of the motor thread length: 8mm	25x40
236190	58 g	M16x1,5 thread for direct connection to the terminal box of the motor thread length: 8mm	25x40
236245	29 g	M16x1,5 thread for direct connection to the terminal box of the motor thread length: 8mm	25x40



5 Conformity, Approvals

CE	2011/65/EU	EU-Doc
cURus	UL508, C22.2 No. 14-10	E140415
RoHS	2011/65/EU & 2015/863	
EAC	TR CU 004, TR CU 020	RUC-DE.A301.B.03875
REACH	Nr. 1907/2006	SVHC List 01.2020
WEEE	2012/19/EU	
China RoHS	SJ/T 11364-2014	e EPUP