

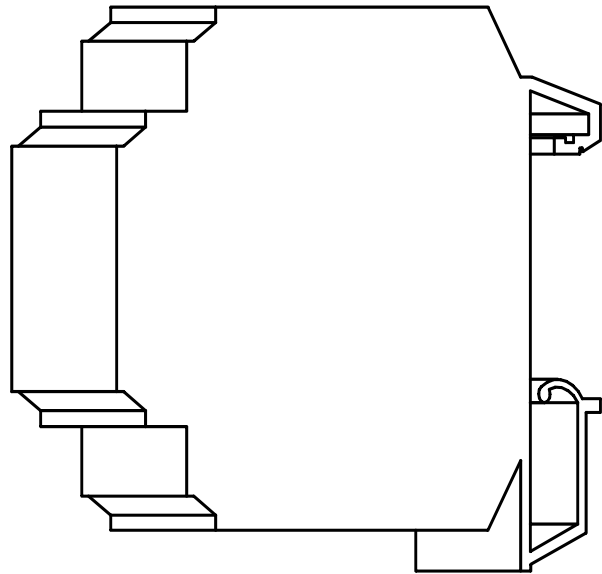
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Document	Version
Product Data	1.0

#### Murrelektronik-Suppression Module

- 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



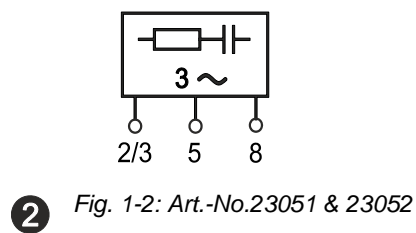
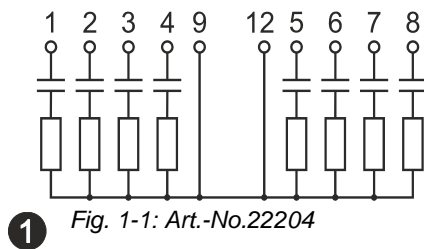
Art.-No.	Product designation
22204	MRC 8/022
23051	MRC 3/047-400
23052	MRC 3/047-500



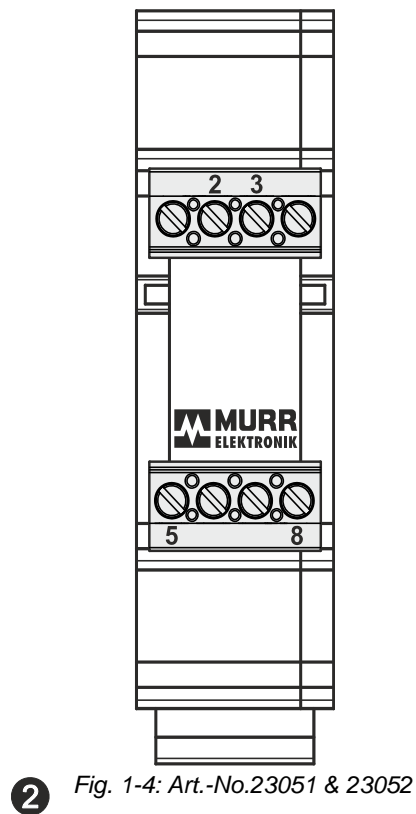
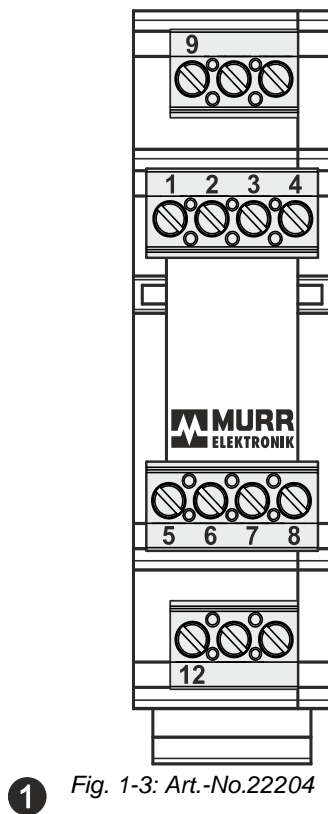
Planning information, background information and accessories can be found at:  
<http://shop.murrelektronik.com>

# 1 Electrical data

Electrical data									
Art.-No.	Nominal voltage	Frequency	Shutdown peak voltage	max. hold on power	max. Engine power	max. Switch frequency	Connection type	Phases	Values
22204	≤230 V~	50...60 Hz	≤580 V	15 W	-	0.1 Hz	① RC	8	0.22μF/220R
23051	≤400 V~	50...60 Hz	≤600 V	-	10 kW	0.1 Hz	② RC delta connection	3	0.47μF/220R
23052	≤575 V~	50...60 Hz	≤850 V	-	7.5 kW	0.1 Hz	② RC Star connection	3	0.47μF/220R



Connection						
Art.-No.	Wire-Ø solid	Wire-Ø stranded	Illustration	Connection type	Connection size	Tightening torque
22204	0.25...4 mm <sup>2</sup>	0.5...2.5 mm <sup>2</sup>	①	Schraubklemmen	M3	0.6 Nm
23051	0.25...4 mm <sup>2</sup>	0.5...2.5 mm <sup>2</sup>	②	Schraubklemmen	M3	0.6 Nm
23052	0.25...4 mm <sup>2</sup>	0.5...2.5 mm <sup>2</sup>	②	Schraubklemmen	M3	0.6 Nm



## 2 Environmental characteristics

Ambient temperature range		-20 °C ... +60 °C
Storage temperature		-55 °C ... +80 °C
Installation height	Above mean sea level	≤2000 m
Relative humidity	No condensation	5 ... 85 %
Climatic class	IEC/EN60721-3-3	3K3

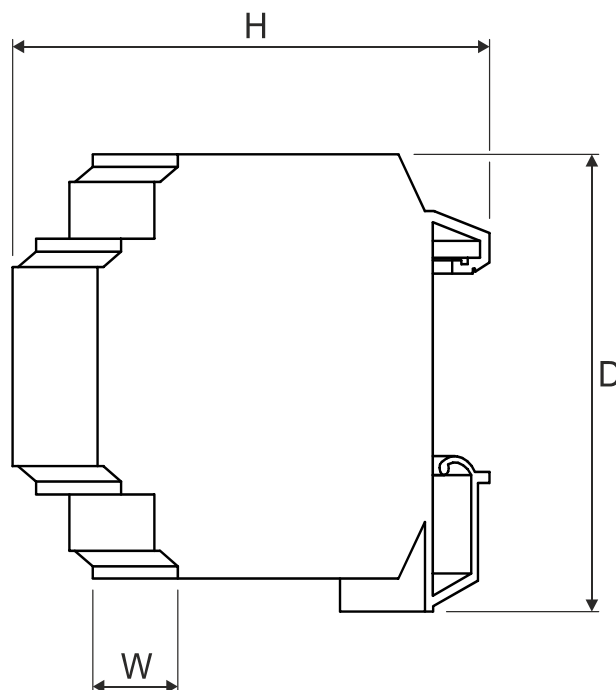
## 3 Protection

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 (W/D/H in mm)
22204	105 g	snap-on DIN rail	22.5x82x106
23051	103 g	snap-on DIN rail	22.5x82x106
23052	103 g	snap-on DIN rail	22.5x82x106



## 5 Conformity, Approvals

CE	2011/65/EU	EU-Doc
UKCA		
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	20 EPUP

Hazardous substance (有害物質)							
	Part Name	Lead	Mercury	Cadmium	Hexavalent Chromium	Polybrominated biphenyls (PBB)	Polybrominated diphenyl ethers
	零件名稱	(Pb) 鉛	(Hg) 汞	(Cd) 鎘	(Cr (VI)) 六价铬	多溴联苯	(PBDE) 多溴联苯醚
	Component part PCB 组件部分 印刷电路板	X	O	O	O	O	O
<p>O: Indicates that the content of the harmful substance in all homogeneous materials of the component part is below the limit defined in GB/T 26572.</p> <p>O: 表明該有害物質在組成部分的所有均質材料的含量低於按GB/ T26572定義的限制。</p> <p>X: Indicates that the content of the harmful substance in at least one homogeneous material of the component part exceeds the limit defined in GB/T 26572.</p> <p>X: 表示該有害物質在組成部分中的至少一個均質材料的含量超過按GB / T26572定義的限制。</p>							