

CORRECTLY CONNECTED SMALL PART - BIG PERFORMANCE

Ground straps on machines and systems are among the simplest means to effectively reduce machine and system interferences. The flat ground straps are made of very flexible E-copper which has excellent high frequency characteristics. For example, when used with a filter the ground straps prevent a large amount of interference. At the same time, the large wire diameter enables a safe connection to the protective ground wire.

Ground connection should be as short as possible and have low resistance. Hole diameter, cross section and length are adapted for each application and Murrelektronik product. Ground straps with 16 mm² or 25 mm² are also excellent for equipotential bounding between moving machine parts.

The conventional and time-consuming assembly with cable lugs is no longer necessary. Murrelektronik's pressure-welded ends improve contact and the wires are electrolytically tin-plated, so that copper will not oxidize in a humid environment.

MANY DIFFERENT TYPES!

Murrelektronik ground straps are available in various useable lengths and cross-sections.



YOUR ADVANTAGES

- Excellent EMC characteristics with stranded E-copper flat cables for grounding
- Operational reliability due to equipotential bonding even with moving machine parts
- Secure earth connection because of wide wire cross section with EMC filters
- Quick and easy installation
- Zinc-coated, therefore no oxidation

APPLICATIONS



Front panel interface



EMC filters



IP67 I/O modules



Ground and equipotential bonding

GROUND STRAP

Application for ...	Cross-section	Length in mm	Hole for	Art.-No.
EMC Filter MEF	16 mm ²	200	M6	4000-71001-1620006
EMC Filter MEF	35 mm ²	200	M6	4000-71001-3520006
EMC Filter MEF	50 mm ²	300	M10	4000-71001-5030010
EMC Filter MEF ¹⁾	95 mm ²	300	M10	4000-71002-9530010
Front Panel Interfaces MSDD Modlink	6 mm ²	100	M4	4000-71001-0610004
Front Panel Interfaces MSDD Modlink	6 mm ²	200	M4	4000-71001-0620004
Front Panel Interfaces MSDD Modlink	6 mm ²	300	M4	4000-71001-0630004
MVK fieldbus module, Cube67 Exp.	4 mm ²	100	M4	4000-71001-0410004
MVP12 Met., Cube67 bus node	4 mm ²	100	M3	4000-71001-0410003
Grounding and equipotential bonding	16 mm ²	300	M6	4000-71001-1630006
Grounding and equipotential bonding	16 mm ²	200	M8	4000-71001-1620008
Grounding and equipotential bonding	25 mm ²	300	M8	4000-71001-2530008

¹⁾ Bare copper
Package contents 1 pc.

MOUNTING SET FOR GROUND STRAP

Description	for	Art.-No.
M3 x 14 for ground strap with M3 hole	M3	4000-71003-0101403
M4 x 16 for ground strap with M4 hole	M4	4000-71003-0101604
M6 x 25 for ground strap with M6 hole	M6	4000-71003-0102506
M8 x 30 for ground strap with M8 hole	M8	4000-71003-0103008
M10 x 35 for ground strap with M10 hole	M10	4000-71003-0103510
M10 x 40 for ground strap with M10 hole	M10	4000-71003-0104010

Package contents 1 Set - consisting of: 1 x 6-hex-screw, 1 x nut, 2 x U-washers, 2 x safety washers, 2 x labels

DIMENSION DRAWING

