

ground|mate[®]

PE connection in electrical control cabinets



Description

With the new ground|mate series, Amphenol is able to replace the now used PE connections, made up of ring terminals in electrical cabinets, with pluggable contacts. By using the well known and field proven RADSOK[®] technology in combination with the click|fit locking device, a high current carrying capacity arises together with a safe and reliable locking mechanism. Owing to different locking parameters, it is possible to connect ground|mate contacts with pins or threads. Even by using ground|mate on threads, the outstanding attributes of RADSOK[®] contacts will be mostly uninfluenced.

ground|mate[®]

Contacts

Part number	Size	Wire gauge	Locking
N02 060 6160 002	6 mm RADSOK [®]	10 mm ² - 16 mm ²	pin
N02 060 6161 002	6 mm RADSOK [®]	10 mm ² - 16 mm ²	thread
N02 060 6162 002	6 mm RADSOK [®]	25 mm ²	pin
N02 060 6163 002	6 mm RADSOK [®]	25 mm ²	thread
N02 080 6180 002	8 mm RADSOK [®]	35 mm ² - 50 mm ²	pin
N02 080 6181 002	8 mm RADSOK [®]	35 mm ² - 50 mm ²	thread

Harnessed cables

Grounding cables with all contact sizes and combinations in various lengths (170-300 mm). Customer special lengths available upon request

Advantages

Safety increase due to click|fit technology

- optical and haptical feedback
- no torque control necessary
- no special attachment tool necessary
- no over twist / damaging
- vibration resistant, disconnecting only with high axial force
- twist move on pins possible (no cable damaging in moving applications)
- compatible to M6, M8 or M10 threads

Cost benefits

- fast and easy mating saves time and assembly costs
- service friendly maintenance reduces control costs

High power applications

- The RADSOK[®] technology enables usage also within high current applications

General Information

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