

# ground|mate<sup>®</sup>

## PE connection



### 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<sup>®</sup> 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. By using ground|mate on threads, the outstanding features of RADSOK<sup>®</sup> contacts will mostly not be influenced. Compared to screw terminated cable lug, the new ground|mate series will reduce assembly time up to 80%

# ground|mate®

## Contacts

Part number	Size	Wire gauge	Locking
N02 060 6164 002	6 mm RADSOK®	10 mm <sup>2</sup> - 16 mm <sup>2</sup>	pin with groove or thread M6
N02 060 6165 002	6 mm RADSOK®	25 mm <sup>2</sup>	pin with groove or thread M6
N02 080 6183 002	8 mm RADSOK®	16 mm <sup>2</sup> - 25 mm <sup>2</sup>	pin with groove or thread M8
N02 080 6182 002	8 mm RADSOK®	35 mm <sup>2</sup> - 50 mm <sup>2</sup>	pin with groove or thread M8

## 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 or M8 threads, version for M10 – thread available upon request

## Cost benefits

- ➔ fast and easy mating saves time and assembly costs
- ➔ service friendly maintenance reduces control costs
- ➔ up to 80% saving of assembly time compared to screw terminated cable lug

## High power applications

- ➔ the RADSOK® technology enables usage also within high current application
- ➔ for application with continuous high current an even pin made by high conductivity material is recommended
- ➔ touch protection housing available

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### General Information

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