

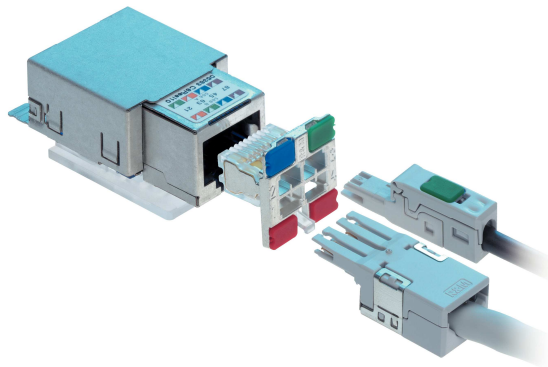
Technical Data Sheet



RMS45

Description of RMS45

The RMS45 assortment consists of one Micro splitter and field mountable plugs for patch cords. The splitter insert is zinc casting alloy and can be simply plug and play. The RMS45 is compatible to most RJ45 jacks and fits to the R&M*freeenet* LAN-Cabling System. RMS45 supports the performance-classes Cat.3, Cat.5e as well as Cat.6, for telephony, CATV, network-applications as well as the fast Ethernet requirements.



Get more with R&M

- More flexibility

- Expanded use of infrastructure
- Individual, cost-effective use as needed

More compatibility

- Compatible with standard RJ45 jacks
- Integrated in R&M*freeenet* cabling system
- Harmonized with all relevant standards

More security

- Easy, individual color-coding
- Robust construction
- Inherent connector system instead of distant, external adapters

More convenience

- Easy installation and removal
- Field terminable connector

Standards

Standards	Description
IEC 60352-3/4	Lead-free electrical connection
IEC 60603-7-3/5	Connection system
ISO/IEC 11801	Information Technology
2002/95/EG	RoHS conform
DIN VDE 0472-815	Halogen free
UL1863	Communications Circuit Accessories
ISO/IEC FCD 24702	MICE 1 (Information technology Generic cabling Industrial premises)
IEEE 802.3	Power over Ethernet
Temperature range	Temperature during installation and operation from -40°C to +85°C



Convincing cabling solutions

Reichle & De-Massari AG
Binzstrasse 31
CHE – 8622 Wetzikon
Telephone CO: +41 44 933 81 11
Telefax CO: +41 44 930 49 41
www.rdm.com

Data RMS45 Insert

Criteria	Data / Value
Application	Supports the performance classes Cat.3, Cat.5e as well as Cat.6, for telephony, CATV, network-applications as well as the fast Ethernet requirements.
Compatible to R&M RJ45 jacks	R&M <i>freenet</i> connection modules (Cat.5e, Cat.6, shielded and unshielded)
Compatible to third party RJ45 jacks	Not tested

Data RMS45 1 Pair plug

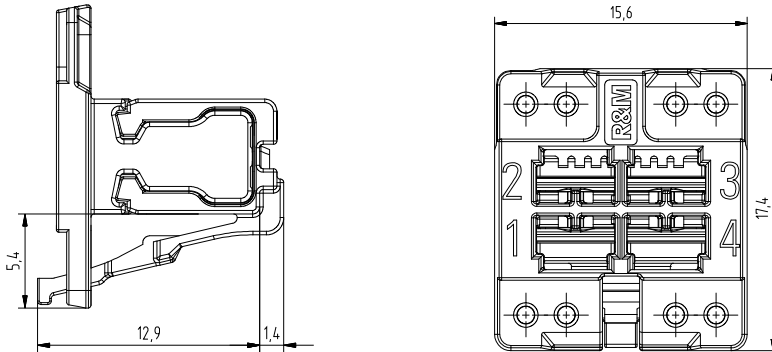
Criteria	Data / Value
Admissible cable range	Round cable up to $\varnothing 3.4\text{mm}$
	Telephone flat cable 2,5x5mm
Admissible solid wire \varnothing	AWG26-24 (0.4mm. – 0.5mm)
Admissible strand wire \varnothing	AWG26/7-24/7 (0.483mm. – 0.61mm)
Admissible insulation \varnothing	max. $\varnothing 1.1\text{mm}$
Mating cycles RMS-1P	min. 750
Push in force , Pull out force	min 0,5kg

Data RMS45 2 Pair plug

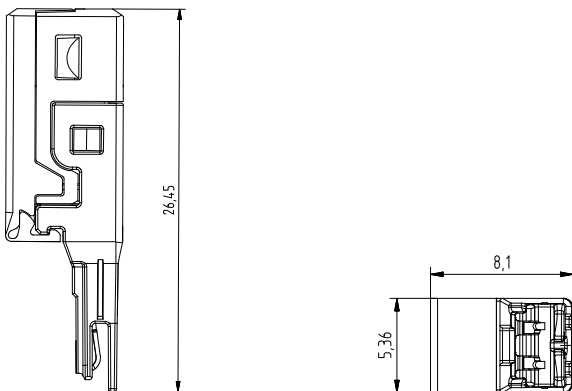
Criteria	Data / Value
Admissible cable range	Round cable $\varnothing 3,4\pm 0.2\text{mm} - \varnothing 5,5\text{mm}$ (SFTP)
	Telephone flat cable 2,5x5mm
Admissible solid wire \varnothing	AWG26-24 (0.4mm. – 0.5mm)
Admissible strand wire \varnothing	AWG26/7-24/7 (0.483mm. – 0.61mm)
Admissible insulation \varnothing	max. $\varnothing 1.1\text{mm}$
Mating cycles RMS-2P	min. 750
Push in force , Pull out force	min. 0,75kg

Drawings, dimensions

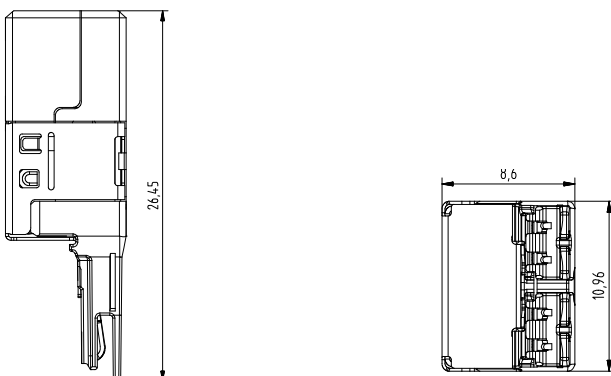
Insert RMS45



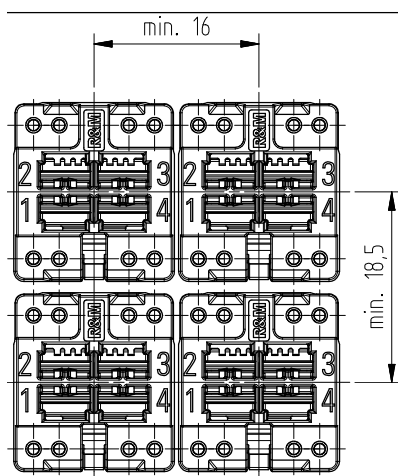
RMS45 Plug 1 Pair



RMS45 Plug 2 Pair



Dimensions



Side view

