



M12 DC-POWER-Steckverbinder T-Kodierung M12 DC-POWER-connectors T-coded



Kabelsteckverbinder

- Für DC bis 12 A/60 V
- Rundsteckverbinder mit Schraubverriegelung
- T-Kodierung
- Konfektionierbar
- Schraubklemmanschluss
- Gerade Ausführungen
- Schutzart IP67
- Kabeldurchlass 8-10mm

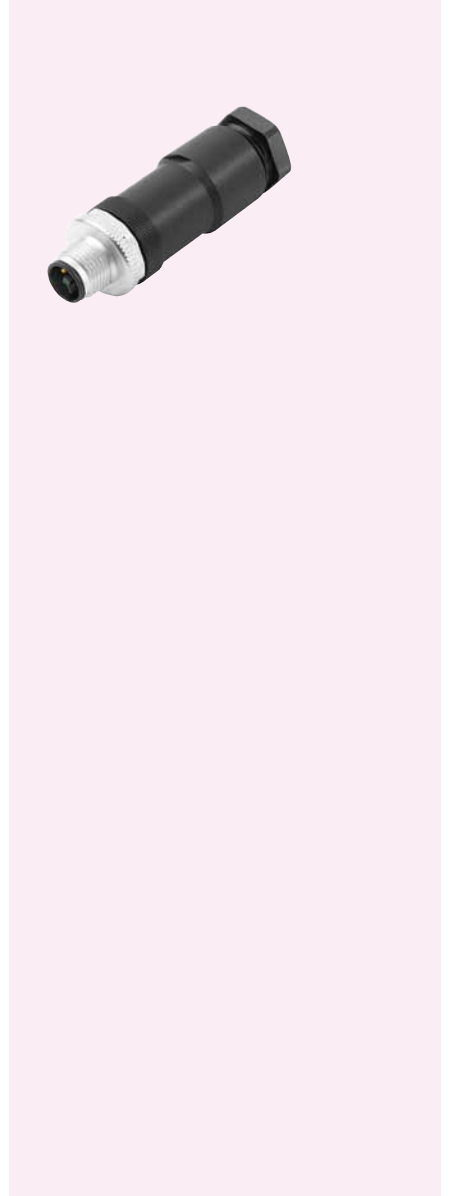
Cable Connector

- For DC up to 12 A/60 V
- Circular connectors with screw-locking
- T-coded
- Cable assembly possible
- Screw clamp connection
- Straight versions
- Degree of protection IP67
- Cable outlet 8-10mm



Aufbau des Steckverbinders:
Construction of the connector:

Kabelstecker
Male cable connector



- SI IP40
- SI IP67
- Bajonett
- MPP IP67
- PP IP67
- M9 IP40
- M9 IP67
- SI IP67
- Bajonett
- NCC
- PP IP67
- M16 IP40
- M16 IP67
- M23
- Bajonett
- M25
- RD24
- RD30
- M5
- M8
- M12-A
- VL
- Verteiler
- M12-B
- M12-D
- M12-S
- M12-T
- M12-US
- M18
- 7/8"
- BF-A
- BF-B
- BF-C

Powersteckverbinder Serie 813 · Schraubklemmanschluss Power connectors series 813 · Screw Clamp Connection

Bezeichnung
Description

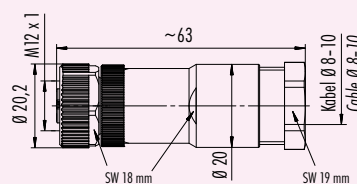
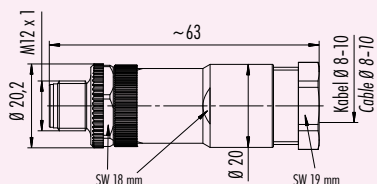
Kabelstecker, Power, T-Kodierung
Male cable connector, Power, T-coding

Kabeldose, Power, T-Kodierung
Female cable connector, Power, T-coding

Abbildung
Figure



Maßzeichnung
Drawing



Bestell-Nr.
Ordering-No.

Polzahl Contacts	Kabeldurchlass Cable outlet	Bestell-Nr. Ordering-No.
4	8-10 mm	99 0629 19 04

Polzahl Contacts	Kabeldurchlass Cable outlet	Bestell-Nr. Ordering-No.
4	8-10 mm	99 0630 19 04

Technische Daten
Specifications

Polzahl	4	Number of contacts
Steckverbinder Verriegelung	Schrauben/Screw	Connector locking system
Anschlussart	Schraubklemm/Screw clamp	Termination
Anschlussquerschnitt	1,5 mm ² (AWG 16)	Wire gauge
Kabeldurchlass	8-10 mm	Cable outlet
Schutzart	IP67	Degree of protection
Mechanische Lebensdauer	> 100 Steckzyklen / > 100 mating cycles	Mechanical operation
Obere Grenztemperatur	+ 85 °C	Upper temperature
Untere Grenztemperatur	- 40 °C	Lower temperature
Bemessungsspannung	60 V	Rated voltage
Bemessungs-Stoßspannung	1500 V	Rated impulse voltage
Verschmutzungsgrad	3	Pollution degree
Überspannungskategorie	III	Overvoltage categorie
Isolierstoffgruppe	III	Material group
Bemessungsstrom (40 °C)	12 A	Rated current (40 °C)
Durchgangswiderstand	≤ 3 mΩ	Contact resistance
Material Kontakt	CuZn (Messing/brass)	Material of contact
Kontaktoberfläche	Au (Gold/gold)	Contact plating
Material Kontaktkörper	PA	Material of contact body
Material Gehäuse	PA	Material of housing

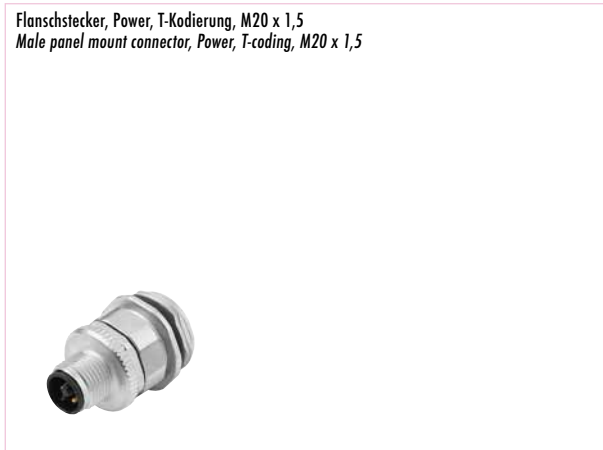
Powersteckverbinder Serie 813 - Schraubklemmanschluss Power connectors series 813 - Screw Clamp Connection

Bezeichnung
Description

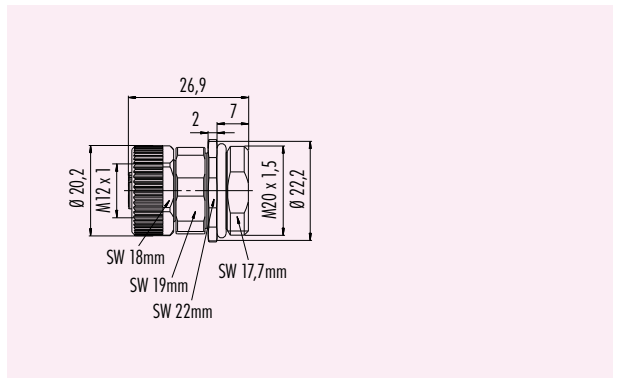
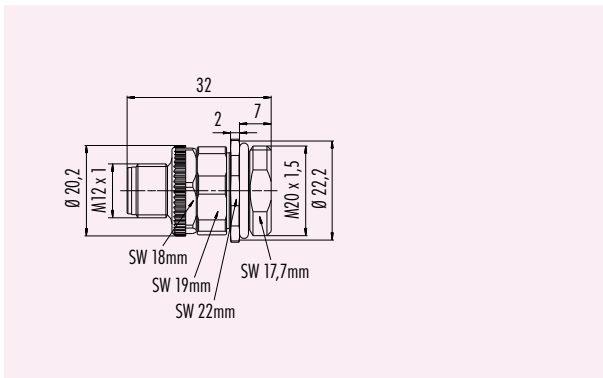
Flanschstecker, Power, T-Kodierung, M20 x 1,5
Male panel mount connector, Power, T-coding, M20 x 1,5

Flanschdose, Power, T-Kodierung, M20 x 1,5
Female panel mount connector, Power, T-coding, M20 x 1,5

Abbildung
Figure



Maßzeichnung
Drawing



Bestell-Nr.
Ordering-No.

Polzahl Contacts	Befestigungsgewinde Fixing thread	Bestell-Nr. Ordering-No.	Polzahl Contacts	Befestigungsgewinde Fixing thread	Bestell-Nr. Ordering-No.
4	M20 x 1,5	99 0633 500 04	4	M20 x 1,5	99 0634 500 04

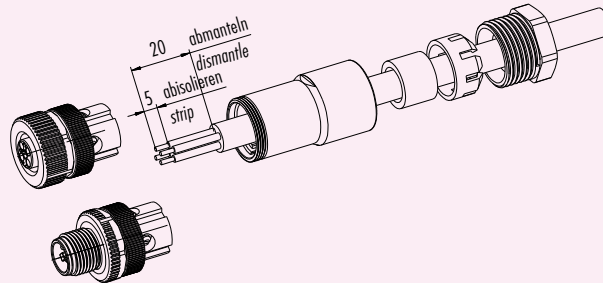
Technische Daten
Specifications

Polzahl	4	Number of contacts
Steckverbinder Verriegelung	Schrauben/screw	Connector locking system
Anschlussart	Schraubklemm/screw clamp	Termination
Anschlussquerschnitt	1,5 mm ² (AWG 16)	Wire gauge
Kabeldurchlass	-	Cable outlet
Schutzart	IP67	Degree of protection
Mechanische Lebensdauer	> 100 Steckzyklen/> 100 mating cycles	Mechanical operation
Obere Grenztemperatur	+ 85 °C	Upper temperature
Untere Grenztemperatur	- 40 °C	Lower temperature
Bemessungsspannung	60 V	Rated voltage
Bemessungs-Stoßspannung	1500 V	Rated impulse voltage
Verschmutzungsgrad	3	Pollution degree
Überspannungskategorie	III	Overvoltage categorie
Isolierstoffgruppe	III	Material group
Bemessungsstrom (40°C)	12 A	Rated current (40 °C)
Durchgangswiderstand	≤ 3 mΩ	Contact resistance
Material Kontakt	CuZn (Messing/brass)	Material at contact
Kontaktoberfläche	Au (Gold/gold)	Contact plating
Material Kontaktkörper	PA	Material of contact body
Material Gehäuse	Zink Druckguss vernickelt/zinc diecasting nickel plated	Material of housing

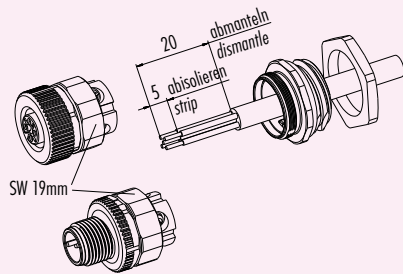
Powersteckverbinder Serie 813
Power connectors series 813

Montageanleitung
 Assembly instruction

Abisoliermaße Kabelstecker, Kabeldose, **schirmbar**
 Strip measures male/female cable connector, **shieldable**



Flanschsteckverbinder, **Schraubklemmanschluss**
 Panel mount connectors, **screw clamp connection**

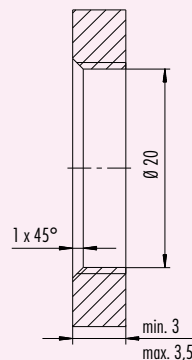
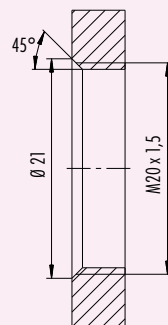


Litzenquerschnitt
Wire cross section
 max. 1,5 mm² 4-polig/contacts

Kontakteinsatz
Contact insert
 4 x 90° verdrehbar/adjustable

Anzugsdrehmoment
Tightening torque
 SW 19 Mutter/nut = 5 Nm M18 x 0,75
 M20 x 1,5 = 5 Nm

Flanschsteckverbinder **mit Schraubklemmanschluss**
 Panel mount connectors **with screw clamp connection**



Anzugsdrehmoment/Tightening moment
 M20 x 1,5 5 Nm

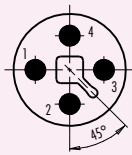
Powersteckverbinder Serie 813 Power connectors series 813

Polbilder
Contact arrangements

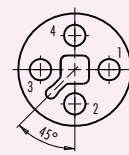
Stifteinsatz (Steckseite)
Male insert (mating side)

Buchseinsatz (Steckseite)
Female insert (mating side)

4 pol
4 contacts



	X	Y
1	-2,55	0,00
2	0,00	-2,55
3	2,55	0,00
4	0,00	2,55

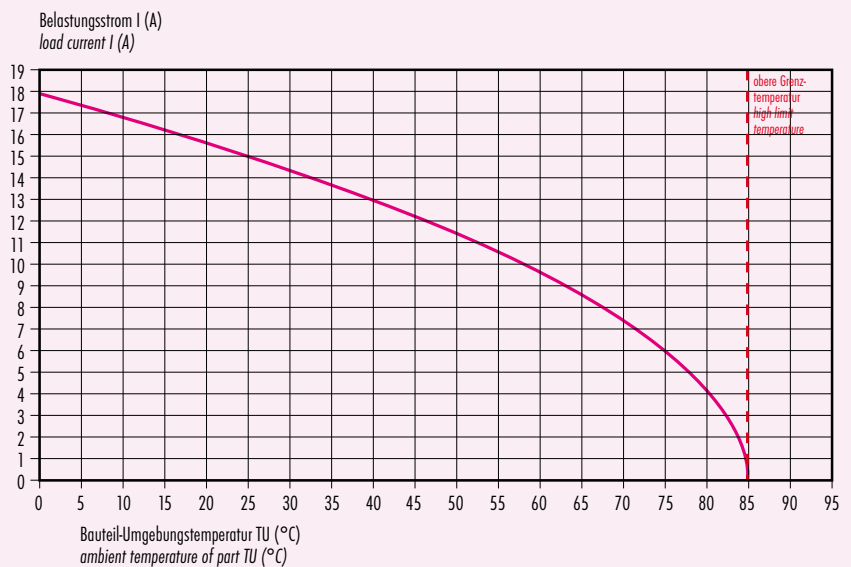


	X	Y
1	2,55	0,00
2	0,00	-2,55
3	-2,55	0,00
4	0,00	2,55

Kennlinie
Rating

Strombelastbarkeitskurve
nach DIN EN 60512 für
POWER-Kabelsteckverbinder

Derating curve
according to DIN EN 60512 for
POWER cable connectors



Powersteckverbinder Serie 813 Power connectors series 813

Zubehör Accessories

Bezeichnung
Description

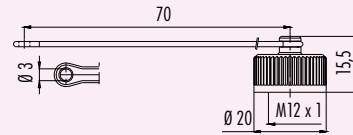
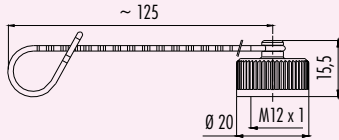
Schutzkappe für Kabelstecker, IP 67
Protection cap for male cable connector, IP 67

Schutzkappe für Flanschstecker, IP 67
Protection cap for male panel mount connector, IP 67

Abbildung
Figure



Maßzeichnung
Drawing



Bestell-Nr.
Ordering-No.

Bestell-Nr.
Ordering-No.
08 2424 010 000

Bestell-Nr.
Ordering-No.
08 2615 000 000

Bezeichnung
Description

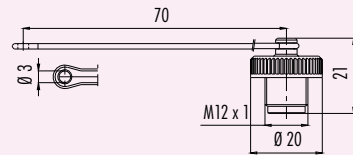
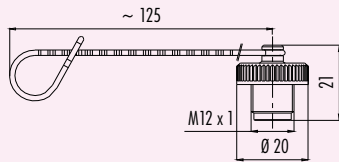
Schutzkappe für Kabeldose, IP 67
Protection cap for female cable connector, IP 67

Schutzkappe für Flanschdose, IP 67
Protection cap for female panel mount connector, IP 67

Abbildung
Figure



Maßzeichnung
Drawing



Bestell-Nr.
Ordering-No.

Bestell-Nr.
Ordering-No.
08 2425 010 000

Bestell-Nr.
Ordering-No.
08 2616 000 000

Bezeichnung
Description

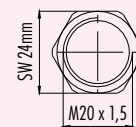
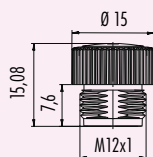
Schutzkappe für Dose, IP 67
Protection cap for female connector, IP 67

Sechskantmutter für Befestigungsgewinde
Hexagonal nut for fixing thread

Abbildung
Figure



Maßzeichnung
Drawing



Bestell-Nr.
Ordering-No.

Bestell-Nr.
Ordering-No.
08 2769 000 000

Gewinde
thread
M20 x 1,5

Bestell-Nr.
Ordering-No.
16 0917 001

Powersteckverbinder Serie 813
Power connectors series 813

Zubehör
Accessories

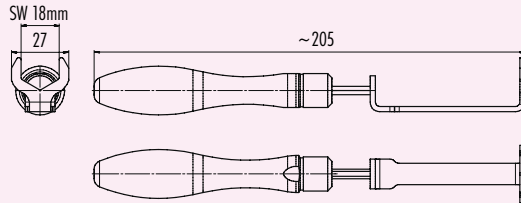
Bezeichnung
Description

Schlüssel mit Drehmomentbegrenzung Sechskant SW 18
 0,6 Nm, für Serie 713
 Hexagon torque spanner SW 18
 0,6 Nm, for 713 series



Abbildung
Figure

Maßzeichnung
Drawing



Bestell-Nr.
Ordering-No.

Bestell-Nr.
Ordering-No.

07 0079 000

- SI IP40
- SI IP67
- Bayonett
- MPP IP67
- PP IP67
- M9 IP40
- M9 IP67
- SI IP67
- Bayonett
- NCC
- PP IP67
- M16 IP40
- M16 IP67
- M23
- Bayonett
- M25
- RD24
- RD30
- M5
- M8
- M12-A
- VL
- Verteiler
- M12-B
- M12-D
- M12-S
- M12-T
- M12-US
- M18
- 7/8"
- BF-A
- BF-B
- BF-C