
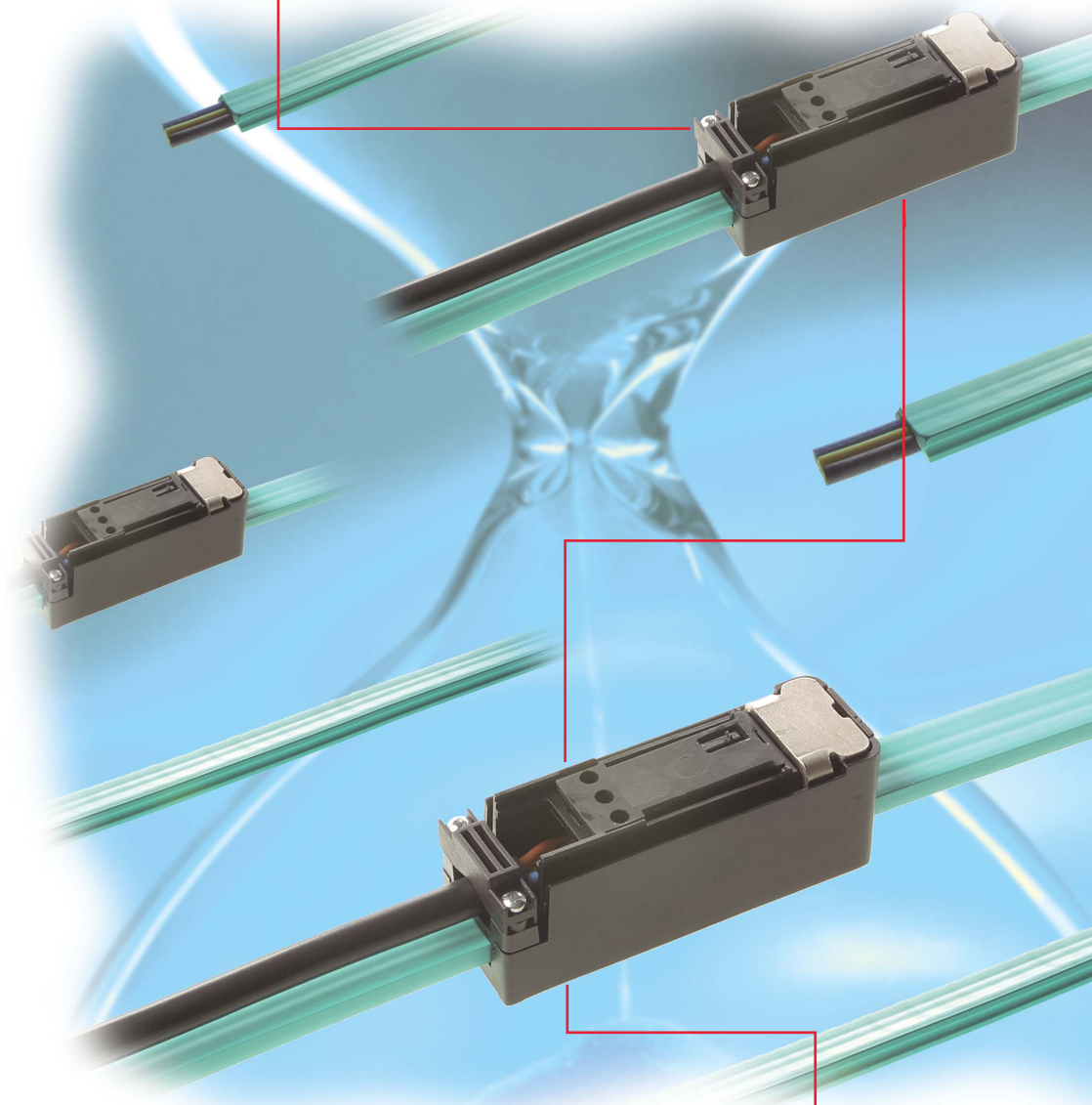


QUICK CONNECTION TECHNIQUE *ECOLINE - P3*

3 X 2.5 MM²


woertz



for quick installations with possible
restructuring and further extension

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12/13

Advantages of the quick connection technique *ecoline* - P3



- ◇ **Automatic connections:**
The contact is established simultaneously with the 3 leads.
- ◇ **Easy wiring:**
Without any tool!
- ◇ **Time saving:**
The quickest way to realize well-structured installations.
- ◇ **Reliable connections:**
Quick but safe!

ecoline - P3: an easy mounting procedure



(a)



(b)



(c)



(d)



(e)



(f)

Save time thanks to *ecoline - P3*!

- Position the base of the connector and screw it on to its support
- Position the flat cable (right position is shown by the groove in the cable sheath).
- Cut the outgoing cable to the desired length, dismantle it and introduce the leads. Tighten up the screws.
- Snap together the upper part and the base with an audible click.
- Fold back the lever. Lock
- Supply occurs without stripping the insulation by means of a special box which can also be used for branching (flat cable/flat cable)

Note: The connector may only be opened again by means of a tool.

Possibility of pre-wiring: the installations become more and more rational!

With this system connectors may be completely pre-wired.

Right position is shown by the groove in the flat cable!



Flat cable *ecoline* - P3, 3 x 2.5 mm²

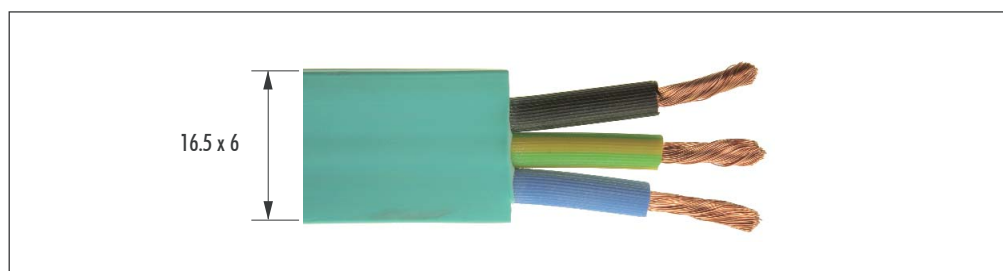
Availability: September 04 onwards



Environment:
dry, UV-protected area



Temperature range:
-15°C up to +70°C



Designation

**Flat cable of PVC
1L+N+PE**

**Flat cable halogen-free
1L+N+PE**

No.

49685

49686

E-No.

Technical data

| | | |
|------------------------------|--|---|
| Sheath | PVC according to CENELEC HD 21.1 S2, TM2 | Thermoplastic PE compound halogen-free, without corrosive gas according to DIN VDE 0472 Part 813 |
| Colour of the sheath | light green RAL 6027 | light green RAL 6027 |
| Weight | 185 g/m | 185 g/m |
| Fire behaviour | Flame retardant according to IEC 60332-1 | Flame retardant according to IEC 60332-1 Low fire propagation according to IEC 60332-3 Low smoke development according to IEC 61034-1/2 |
| No. of leads x cross-section | 3 x 2.5 mm ² | 3 x 2.5 mm ² |
| Colour of the leads | black, green-yellow, blue | black, green-yellow, blue |
| Cross-section | 2.5 mm ² | 2.5 mm ² |
| Rated voltage | 250 V | 250 V |
| Current-carrying capacity | according to IEC 60364-5-523 and SEV NIN 42512.2 | according to IEC 60364-5-523 and SEV NIN 42512.2 |

Availability

This system is in preparation and will be available from September 2004

Flat cable system *ecoline* - P3, 3 x 2.5 mm²



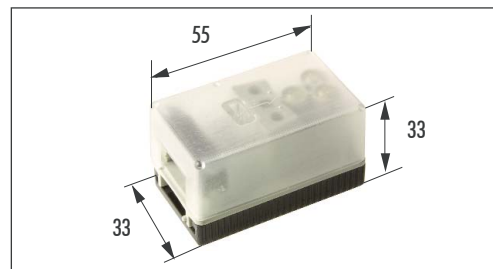
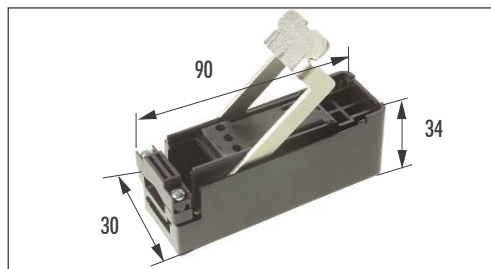
Environment:
dry, UV-protected area



Temp. of application: -15° up to +40°C
Temp. of installation: min. +5°C



Degree of protection: IP 20



Designation

No.
E-No.

**Connector
3 x 2.5 mm²
For branching
49695**

**Connecting box for supply 3 x 2.5 mm²
May also be used for branching
With screw connection
49687**

Technical data

Fire behaviour
Test specifications

UL 94-V2
IEC 60947-7-1

Plastic parts
Metal parts

halogen-free
corrosion-resistant

No. of leads x cross-section
Connecting capacity
Pointed screws

3 x 2.5 mm²
Ø 3.75 mm
/

Clamping screws

M3, tightening torque 0.7 Nm, screwdriver No. 1

Cross-section
Rated voltage
Test current

2.5 mm²
250 V
24 A

Packing unit

10 pce

Technical data

UL 94-V2
IEC60998-1/ IEC 60998-2-5/ IEC 60947-7-1

halogen-free
corrosion-resistant

3 x 2.5 mm²
Ø 3.75 mm
Tightening torque 0.7 Nm, screwdriver for Phillips-recessed
head screw No. 1
Tightening torque 0.7 Nm, screwdriver No. 1

2.5 mm²
250 V
24 A

10 pce

Versions with plug-type connector

Prewired connectors

with 10 cm round cable and connector 3-pole

with WIELAND connector, type GST 18i3 S S1 Z:

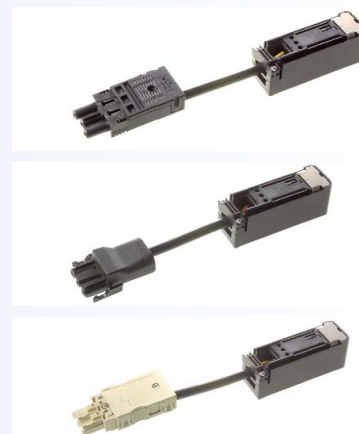
No. 49696

with ENSTO connector:

No. 49697

with WAGO connector:

No. 49698



Woertz service!
**Easier working
on site**

Also available: prewired connecting boxes with round cable 3 x 2.5 mm²

Length 1 m: **No. 49695/1**

Length 2 m: **No. 49695/2**

Further lengths on request

Flat cable *ecoline* - P3, 3 x 2.5 mm²

Accessories

Cable end piece No. 49689

E-No.

To be mounted at both ends of the cable so that the specified creepage distance will be observed.

Of polycarbonate, halogen-free, transparent
Dimensions: 45 x 24.5 x 9 mm
Weight: 6 g

Packing unit: 10 pce



Cable stripping tool No. 49690

E-No.

The conductors of the flat cable have to be stripped at the ends of a distance of 17 mm so that they can be inserted properly in the end-pieces. This tool offers the advantage of stripping neatly and easily the insulation of the conductors without damaging it.

Packing unit: 1 pce



Cable fastening clamp for screw fixing No. 49661

E-No. 120 008 407

to flat cable *ecoline*-P3
of polyamide 66, halogen-free

Dimensions: 31 x 10 x 7 mm
Weight: 1 g

Fire load: 0.01 kWh

Packing unit: 100 pce



Shears No. 49930

E-No. 983 045 007

For cutting neatly and easily every type of flat cable.
With sliding anvil. Teflon coated blades.

Packing unit: 1 pce



Insulating tape to flat cable No. 49960

E-No. 171 013 004

When the lead to a load is dismantled, the box has to be left in position, otherwise the holes produced by the pointed screws would have to be reinsulated.

Trademark "Scotch 2210", synthetic caoutchouc-based product, PVC coated black.

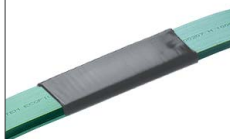
Weatherproof, self-fusing.

Dimensions: 102 x 100 x 2.3 mm

Dielectric strength: max. 23 kV/mm

Temperature: max. +70°C

Packing unit: 10 pce.



Complete set: Stripping tool + shears No. 49692

E-No.

Packing unit: 1 set

