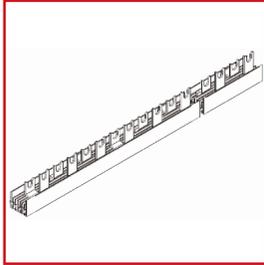


DATA SHEET: FORK BUSBAR 4-POLE, NOT POSSIBLE TO BREAK OFF

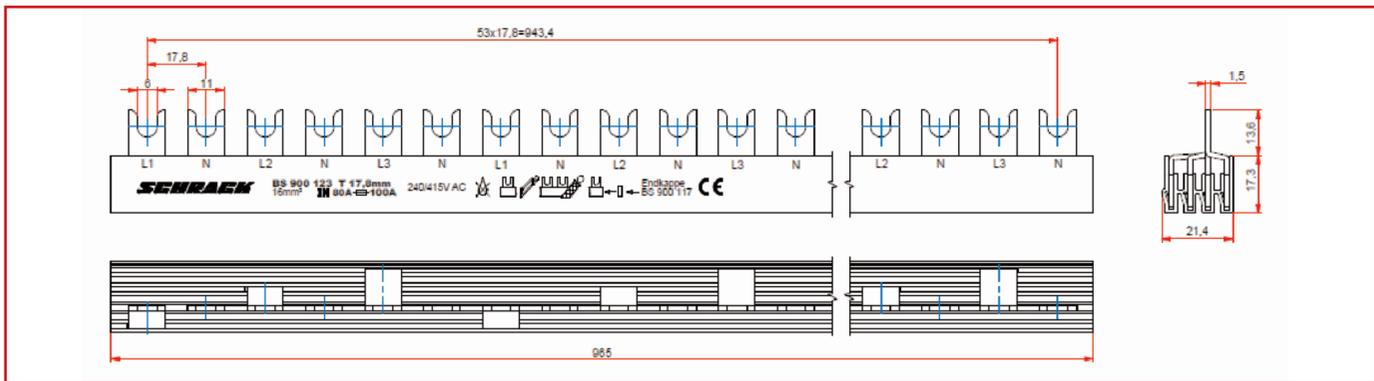


BS900123

SCHRACK-INFO

- Fork-Busbar for connection with MCB s with dubble-terminals, screw-type
- Spaceunit is 17,8 mm
- 17 x MBC 1+N
- Phase sequence: L1, N, L2, N, L3, N, L1, N, ... L3, N

DIMENSIONS



TECHNICAL DATA

MATERIALS

| | |
|----------------------|----------------------------|
| Busbars: | E – Cu 58 F25 |
| Extruded insulation: | PC / ABS or PVC – unleaded |
| Injected insulation: | PC / ABS |
| End cover: | PC / ABS |

HEAT DEFLECTION TEMPERATURE

| | |
|--------------------|---|
| Unleaded PVC: | VST B50 – ISO 306 0 > 80°C |
| PC / ABS extruded: | VST B 120 – ISO 306 = 113°C – UL94-V0/1,5 |
| PC / ABS injected: | VST B 120 – ISO 306 = 138°C – UL94-V0/1,6 |

GLOW WIRE RESISTANCE

| | |
|--------------------|---------------------------------|
| Unleaded PVC: | 960°C / 3 mm |
| PC / ABS extruded: | 960°C / 3,2 mm and 850°C / 1 mm |
| PC / ABS injected: | 960°C / 1 mm |

CLIMATE STABILITY

According to DIN EN 60068

INSULATIONS COORDINATION

Overvoltage category III / Degree of pollution 2

COMPARATIVE TRACKING INDEX

| | |
|--------------------|-------|
| Unleaded PVC: | 600 V |
| PC / ABS extruded: | 600 V |
| PC / ABS injected: | 250 V |

REGULATIONS

DIN EN 60947-1 VDE 0660 Part 100 = IEC 60947-1:2004

DIELECTRIC STRENGHT

| | |
|--------------------|--------------|
| Unleaded PVC: | > 40 kV / mm |
| PC / ABS extruded: | > 32 kV / mm |
| PC / ABS injected: | > 32 kV / mm |

IMPULSE VOLTAGE STRENGHT

≥ 4,5 kV (1kV/mm LS)

MIN. AIR DISTANCE

> 5,5 mm

MIN. CREEPING DISTANCE

> 5 mm

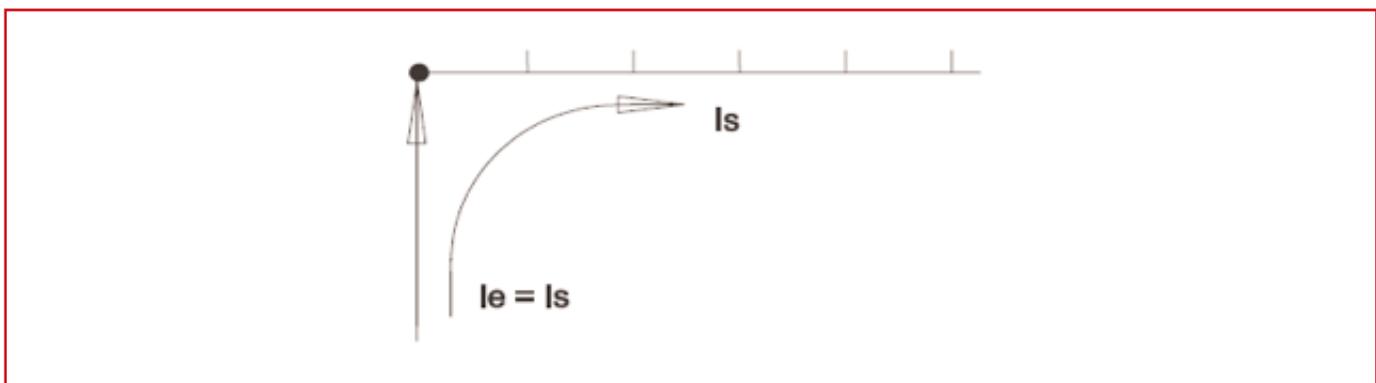
MAX. OPERATING VOLTAGE

600 V

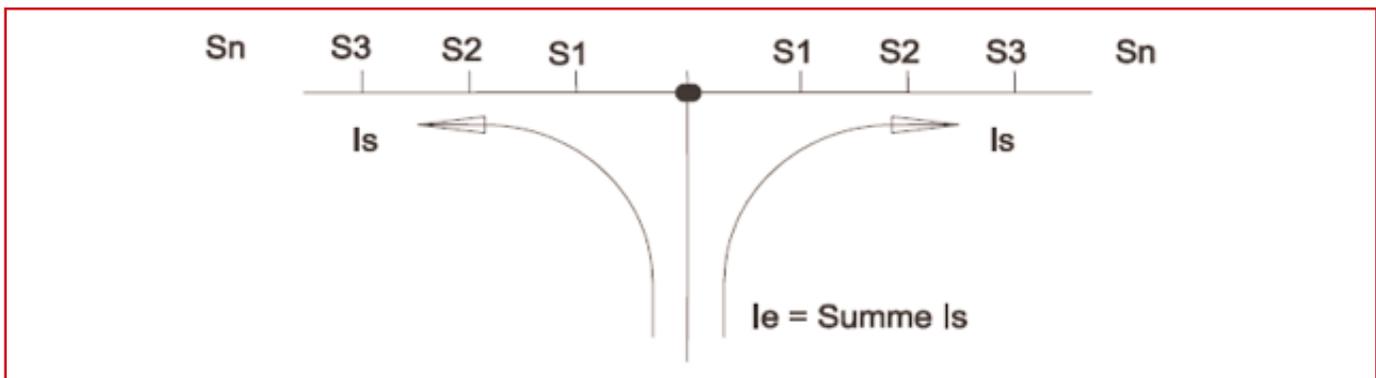
FORK- AND PIN-BUSBARS

| | |
|--------------------------------------|--------------------|
| Cross section | 16 mm ² |
| FEEDING AT BEGINNING / ENDING | |
| Max. current I_s /Phase | 80 A |
| Connection cross current | 16 mm ² |
| OTHER FEEDINGS | |
| Max. feeding current I_s /Phase | 120 A |
| Cross section of connection | 35 mm ² |

FEEDING AT BEGINNING OR END OF BAR



OTHER FEEDINGS



NOTE

When shortening the busbars please note, that the copper-bars need to be 10mm shorter than the insulation on both ends. Due to security purposes all shortened busbars need to be covered with suitable endcovers.

| DESCRIPTION/CROSS SECTION | PU | ORDER NO. |
|--------------------------------|----|-----------|
| Fork-Busbar 16 mm ² | 1 | BS900123 |