

Power Cord with Locking System for Inlet Filters IL13, IL13P, IL19



- Locking system for standardized IEC C14/C20 inlet filter
- No accidental disconnection
- Rated current up to 10 A (C13 plug), up to 15 A (C13P plug), and up to 20 A (C19 plug)
- Fits any Schaffner IEC C14/C20 inlet filter
- Retrofit for any IEC C14/C20 inlet
- Various power line plugs for international usage



Approvals & Compliances



The locking system has a tensile force of typical 200N. It is recommended to use it with flange mount filters. For details refer to our Application Note "Using IEC Lock Power Cords with IEC Inlets and Filters"

Schaffner power cords with IEC lock guard against accidental disconnection of all electrical appliances with an IEC inlet. No exchange or modification of the IEC inlet or IEC inlet filter system is needed. Easy retrofit for all electronic equipments and devices.

Features and Benefits

- Power cord with locking system for IEC inlets
- Protection class I (IL13, IL13P)
- Suitable for use with any C14 IEC inlet (IL13, IL13P) and C20 IEC inlet (IL19)
- Fits the complete Schaffner IEC inlet filter program with C14 IEC inlet and C20 IEC inlet (IL19)
- Max. pin temperature 70°C
- New DUAL locking cord

Typical Applications

- Data centers
- Industrial equipment
- Medical devices
- In-vitro diagnostic devices
- Broadcasting stations
- Mobile applications

Technical Specifications IL13 / IL13P

| | |
|---|---|
| Maximum continuous operating voltage | 250 VAC, 50/60 Hz |
| Rated currents | 10 A for C13 plug, 15 A for C13P plug |
| High potential test voltage | P-> PE 2000 VAC (1 min 50 Hz) P-> N 2000 VAC (1 min 50 Hz) |
| Protection category | IP 20 according IEC 60529 |
| Temperature range (operation and storage) | -25°C to +70°C |
| Connector (load side) | IEC C13 according to IEC/EN 60320-2-2 with IEC Lock UL 498, CSA C22.2 no. 42 (for cold conditions) pin temp. 70°C, up to 15 A, Protection Class I |
| Connector (line side) and cables | Please refer to table on page 2 and 3 |
| Flammability corresponding to | Plugs: UL 94 V-2 or better; Cable: IEC 60332-1 Cat. F2 |

Technical Specifications IL19

| | |
|---|--|
| Maximum continuous operating voltage | 250 VAC, 50/60 Hz |
| Rated currents | 16 A (IEC), 20 A (UL) |
| Operating frequency | 50 to 400 Hz |
| High potential test voltage | P-> PE 2000 VAC (1 min 50 Hz) P-> N 2000 VAC (1 min 50 Hz) |
| Protection category | IP 20 according IEC 60529 |
| Temperature range (operation and storage) | -25°C to +70°C |
| Connector (load side) | IEC C19 according to IEC/EN 60320-2-2 with IEC lock, UL 498, CSA C22.2 no. 42 (for cold conditions) pin temp. 70°C, up to 20 A, Protection Class I |
| Connector (line side) and cables | please refer to table on page 4 |
| Flammability corresponding to | Plugs: UL 94 V-2 or better; Cable: IEC 60332-1 Cat. F2 |

Cable Selection Table IL13

| | |
|-------------------------------|--|
| IL13-C14-H05-3100-X* | IEC cable assembly with locking system for IEC C14 inlet, EU version |
| IL13-C14-SVT-3100-X* | IEC cable assembly with locking system for IEC C14 inlet, US version |
| IL13-CH1-H05-3100-X* | IEC cable assembly with locking system for IEC C14 inlet, CH version |
| IL13-EU1-H05-3100-X* | IEC cable assembly with locking system for IEC C14 inlet, EU version |
| IL13-JP1-HVCTF-3125-X* | IEC cable assembly with locking system for IEC C14 inlet, JP version |
| IL13-SE-H05-3100-X* | IEC cable assembly with locking system for IEC C14 inlet, stripped ends |
| IL13-UK1-H05-3100-X* | IEC cable assembly with locking system for IEC C14 inlet, UK version |
| IL13-US1-SVT-3100-X* | IEC cable assembly with locking system for IEC C14 inlet, US version |
| IL13-US2-SJT-3100-X* | IEC cable assembly with locking system for IEC C14 inlet, US version, hospital grade |

To compile a complete part number, please replace the X* with the required length (please refer to table below for available length per cable type):
 - X* options = 200, 300, 400, 500 or 1000 cm; 183, 275 or 366 cm (6, 9 or 12 feet)

Available Combinations IL13

To compile a complete part number exchange the letters (IL13-yyy-zzz-aaaa-bbb-c) with the data from the table below.

| Load side IL13 | | Line side plug | | Cable type | | Cable core | | Rating | Cable length* | | Cable color | | Cert. |
|---|---|---|------------------------------------|---------------|------------|----------------------------|----------------------|-----------------------------|---|------------------|---|-----------------------|-------------------------|
| IL13 | | yyy | | zzz | | aaaa | | | bbb | | c | | |
| IL13 | IEC C13 Female plug, straight, lock | C14 AU1 CH1 EU1 EU2 IT1 IL1 KC1 SA1 SE UK1 UK2 | IEC C14, male, straight | H05VV-F | H05 | 3x1.00mm ² | 3100 | 250VAC 10A | 6 feet | 183 | Black Blue Orange Red White | - B O R W | CB KC KEMA SAA |
| | | | Australian plug 3 pins | | | | | | 200 cm | 200 | | | |
| | | | SEV1011, straight | | | | | | 9 feet | 275 | | | |
| | | | CEE 7/VI, right angled | | | | | | 300 cm | 300 | | | |
| | | | CEE 7/VI, straight | | | | | | 12 feet | 366 | | | |
| | | | Italian Plug | | | | | | 400 cm | 400 | | | |
| | | | Israel Plug | | | | | | 500 cm | 500 | | | |
| | | | Korean Plug | | | | | | 1000 cm | 1000 | | | |
| | | | South African Plug | | | | | | | | | | |
| | | | Stripped Ends | | | | | | | | | | |
| | | | BS1363, right angled fused 5A | | | | | | | | | | |
| | | | BS1363, right angled fused 10A | | | | | | | | | | |
| | | | IL13 | | | | | | IEC C13 Female plug, straight, lock | C14 JP1 SE | | | |
| Japanese Plug JIS C8303 insulated sleeves | 200 cm | 200 | | | | | | | | | | | |
| Stripped Ends | 300 cm | 300 | | | | | | | | | | | |
| | 400 cm | 400 | | | | | | | | | | | |
| | 500 cm | 500 | | | | | | | | | | | |
| IL13 | IEC C13 Female plug, straight, lock | C14 SE US1 US2 | IEC C14, male, straight | SJT SVT | SJT SVT | AWG 18 AWG 16 AWG 14 | 3100 3130 3160 | 125VAC 10A 13A 15A | 6 feet | 183 | Black Blue Orange Red White | - B O R W | UL cUL |
| | | | Stripped Ends | | | | | | 200 cm | 200 | | | |
| | | | NEMA5-15, straight | | | | | | 9 feet | 275 | | | |
| | | | NEMA5-15, straight, hospital grade | | | | | | 300 cm | 300 | | | |
| | | | | | | | | | 12 feet | 366 | | | |
| | | | | | | | | | 400 cm | 400 | | | |
| IL13 | IEC C13 Female plug, straight, lock | C14 CN1 SE | IEC C14, male, straight | RVV | RVV | 3x1.00mm ² | 3100 | 250VAC 10A | 200 cm | 200 | Black Blue Orange Red White | - B O R W | CCC |
| | | | Chinese plug | | | | | | | | | | |
| | | | Stripped Ends | | | | | | | | | | |
| | | | | | | | | | | | | | |
| IL13 | IEC C13 Female plug, straight, lock | C14 IN1 SE | IEC C14, male, straight | BIS 694 1000V | BIS694 | 3x1.00mm ² | 3100 | 250VAC 10A | 200 cm | 200 | Black Blue Orange Red White | - B O R W | CB |
| | | | Indian plug 3 Pin | | | | | | | | | | |
| | | | Stripped Ends | | | | | | | | | | |
| | | | | | | | | | | | | | |

*feet values are calculated to the matching length in cm

Cable Selection Table IL19

| | |
|-----------------------------|---|
| IL19-C20-H05-3150-X* | IEC cable assembly with locking system for IEC C20 inlet, EU version |
| IL19-C20-SJT-3160-X* | IEC cable assembly with locking system for IEC C20 inlet, US version |
| IL19-EU1-H05-3150-X* | IEC cable assembly with locking system for IEC C20 inlet, EU version |
| IL19-SE-H05-3150-X* | IEC cable assembly with locking system for IEC C20 inlet, stripped ends |
| IL19-UK1-H05-3150-X* | IEC cable assembly with locking system for IEC C20 inlet, UK version |
| IL19-US1-SJT-3160-X* | IEC cable assembly with locking system for IEC C20 inlet, US version |

To compile a complete part number, please replace the X* with the required length (please refer to table below for available length per cable type):
 - X* options = 200, 300, 400, 500 or 1000 cm; 183, 275 or 366 cm (6, 9 or 12 feet)

Available Combinations IL19

To compile a complete part number exchange the letters (IL19-yyy-zzz-aaaa-bbb-c) with the data from the table below.

| Load side IL19 | | Line side plug | Cable type | | Cable core | | Rating* | Cable length** | | Cable color | | Cert. | |
|----------------|-------------------------------------|---|------------|------------|------------|-----------------------|--------------|----------------|---------|-------------|---|-----------------------|-------------------|
| IL19 | | yyy | zzz | | aaaa | | | bbb | | c | | | |
| IL19 | IEC C19 Female plug, straight, lock | IEC C20, male, straight | C20 | H05VV-F | H05 | 3x1.50mm ² | 3150 | 16A | 6 feet | 183 | Black Blue Orange Red White | - B O R W | CB KEMA SAA |
| | | Australian plug 3 pins | AU1 | | | | | 15A | 200 cm | 200 | | | |
| | | SEV1011, straight | CH1 | | | | | 16A | 9 feet | 275 | | | |
| | | CEE 7/VII, right angled or straight | EU1 | | | | | 16A | 300 cm | 300 | | | |
| | | Italian Plug | IT1 | | | | | 16A | 12 feet | 366 | | | |
| | | South Africa plug | SA1 | | | | | 16A | 400 cm | 400 | | | |
| | | Stripped Ends | SE | | | | | 16A | 500 cm | 500 | | | |
| | | BS1363, right angled fused 13A | UK1 | | | | | 13A | 1000 cm | 1000 | | | |
| IL19 | IEC C19 Female plug, straight, lock | IEC C20, male, straight | C20 | HVCTF | HVCTF | 3x2.00mm ² | 3200 | 15A | 100 cm | 100 | Black Blue Orange Red White | - B O R W | PSE |
| | | Japanese Plug JIS C8303 insulated sleeves | JP1 | | | | | 200 cm | 200 | | | | |
| | | Stripped Ends | SE | | | | | 300 cm | 300 | | | | |
| | | | | | | | | 400 cm | 400 | | | | |
| | | | | | | | | 500 cm | 500 | | | | |
| IL19 | IEC C19 Female plug, straight, lock | IEC C20, male, straight | C20 | SJT SVT | SJT SVT | AWG14 AWG12 | 3160 3205 | 125V | 6 feet | 183 | Black Blue Orange Red White | - B O R W | UL cUL |
| | | Stripped Ends | SE | | | | | 15A | 200 cm | 200 | | | |
| | | NEMAS-15, straight | US1 | | | | | 9 feet | 275 | | | | |
| | | Nema 5-20P | US4 | | | | | 300 cm | 300 | | | | |
| | | | | | | | | 12 feet | 366 | | | | |
| | | | | | | | | 20A | 400 cm | 400 | | | |
| | | | 500 cm | 500 | | | | | | | | | |
| | | | 1000 cm | 1000 | | | | | | | | | |
| IL19 | IEC C19 Female plug, straight, lock | Chinese plug | CN1 | RWF | RWF | 3x1.50mm ² | 3150 | 16A | 200 cm | 200 | black | - | CCC |

* if not separately mentioned 250VAC is rated voltage

** feet values are calculated to the matching length in cm

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