

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 10A (C13 plug), up to 15A (C13P plug), and up to 16A (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



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.

Technical specifications IL13 / IL13P

Maximum continuous operating voltage	250 VAC, 50/60 Hz
Rated currents	10A for C13 plug), 15A for C13P plug
High potential test voltage	P→ PE 2000 VAC (1min 50 Hz) P → N 2000 VAC (1min 50 Hz)
Protection category	IP20 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 temperature 70 °C, 10 A, Protection Class I
Connector (line side)	IEC C14 according to IEC/EN 60320-2-2; EU Schuko plug CEE7/VII; UK plug BS1363; US NEMA5-15 plug standard or hospital grade (UL817); CH plug SEV 1011; JP plug JIS8303 Other plugs on request
Flammability corresponding to	Plugs: UL94 V-2 or better; Cable: IEC 60332-1 Cat. F2

Features and benefits

- Power cord with locking system for IEC inlets
- Protection class I (IL 13, IL 13P)
- Suitable for use with any C14 IEC inlet (IL 13, IL 13P) and C20 IEC inlet (IL 19)
- Fits the complete Schaffner IEC inlet filter program with C14 IEC inlet and C20 IEC inlet (IL 19)
- Max. pin temperature 70 °C

Typical applications

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

Technical specifications IL19

Maximum continuous operating voltage	250 VAC, 50/60 Hz
Rated currents	16A (IEC)
Operating frequency	50 to 400 Hz
High potential test voltage	P→ PE 2000 VAC (1min 50 Hz) P → N 2000 VAC (1min 50 Hz)
Protection category	IP20 according IEC 60529
Temperature range (operation and storage)	-25 °C to +70 °C
Cable	2 m; 3 x 1.50 mm ² ; H05 VV-F; 6 ft; 3 x AWG14 SJT; black; other lengths or colors on request
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 temperature 70 °C, 16 A, Protection Class I
Connector (line side)	C20 according to IEC/EN 60320-2-2; EU Schuko plug CEE7/VII angled; UK plug BS1363 angled; US plug NEMA5-15 straight; other plugs on request
Flammability corresponding to	Plugs: UL94 V-2 or better; Cable: IEC 60332-1 Cat. F2

Cable selection table IL13

IL13-C14-H05-3100-200	IEC cable assembly with locking system for IEC C14 inlet, EU version
IL13-C14-SVT-3100-183	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-H05-3100-200	IEC cable assembly with locking system for IEC C14 inlet, UK version
IL13-US1-SVT-3100-Y*	IEC cable assembly with locking system for IEC C14 inlet, US version
IL13-US2-SJT-3100-Y*	IEC cable assembly with locking system for IEC C14 inlet, US version, hospital grade

To compile a complete part number, please replace the x*or y* with the required length:

- X* options = 200, 300, 400
- Y* options = 6, 9 and 12 feet

Product selector IL13

IL13-yyy-zzz-aaaa-bbb:

Cable length:

Cable core:

Cable type:

Line side plug:

Load side IL13:

183–6 feet (183 cm) (only for US versions)
200–200 cm
275–9 feet (275 cm) (only for US versions)
300–300 cm
366–12 feet (366 cm) (only for US versions)
400–400 cm
500–500 cm
10000–1000 cm
Others: on request

3100 – 3 × 1.00 mm² (US: AWG 18)
3125 – 3 × 1.25 mm² (only for Japanese version)
3130 – 3 × 16 awg (for US version)
3150 – 3 × 1.5 mm²
3160 – 3 × 14 awg (for US version)
Others: on request

H05–H05VV-F
HVCTF
SJT
SVT
Others: on request

C14 – IEC C14, male, straight
CH1 – SEV1011, straight
EU1 – CEE 7/VII, right angled
JP1 – JIS8303, straight
SE – with stripped ends
UK1 – BS1363, right angled fused 5A for IL13
US1 – NEMA5-15, straight
US2 – NEMA5-15, straight,
hospital grade according to UL817
Others: on request

IEC C13 female plug, straight, lock

Cable selection table IL13P

IL13P-C14-H05-3100-200	IEC cable assembly with locking system + for IEC C14 inlet, EU version
IL13P-CH1-H05-3100-200	IEC cable assembly with locking system + for IEC C14 inlet, CH version
IL13P-EU1-H05-3100-200	IEC cable assembly with locking system + for IEC C14 inlet, EU version
IL13P-JP1-HVCTF-3125-200	IEC cable assembly with locking system + for IEC C14 inlet, JP version
IL13P-SE-H05-3100-200	IEC cable assembly with locking system + for IEC C14 inlet, stripped ends
IL13P-UK1-H05-3100-200	IEC cable assembly with locking system + for IEC C14 inlet, UK version
IL13P-US1-SJT-3160-Y*	IEC cable assembly with locking system + for IEC C14 inlet, US version

To compile a complete part number, please replace the x*or y* with the required length:

- X* options = 200, 300, 400
- Y* options = 6, 9 and 12 feet

Product selector IL13P

IL13P-yyy-zzz-aaaa-bbb:

Cable length:

Cable core:

Cable type:

Line side plug:

Load side IL13P:

183–6 feet (183 cm) (only for US versions)
200–200 cm
275–9 feet (275 cm) (only for US versions)
300–300 cm
366–12 feet (366 cm) (only for US versions)
400–400 cm
500–500 cm
10000–1000 cm
Others: on request

3100 – 3 × 1.00 mm² (US: AWG 18)
3125 – 3 × 1.25 mm² (only for Japanese version)
3130 – 3 × 16 awg (for US version)
3150 – 3 × 1.5 mm²
3160 – 3 × 14 awg (for US version)
Others: on request

H05–H05VV-F
HVCTF
SJT
SVT
Others: on request

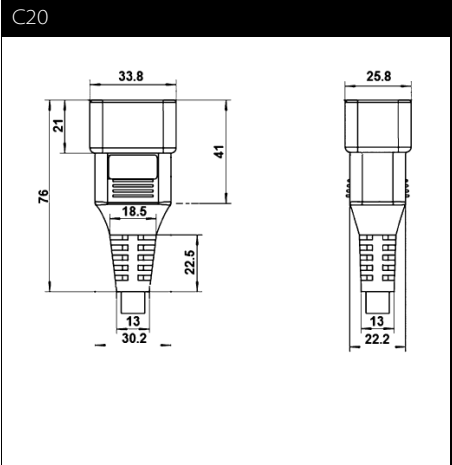
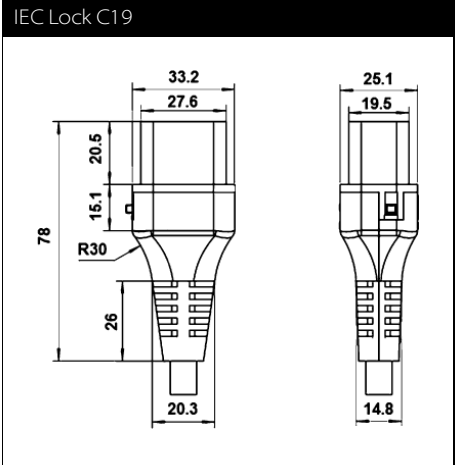
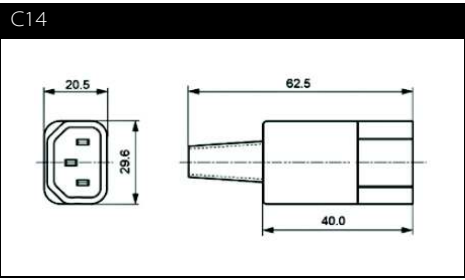
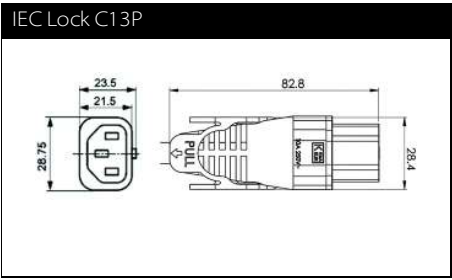
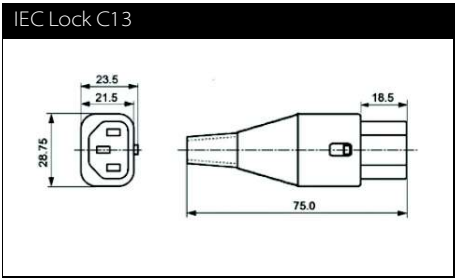
C14 – IEC C14, male, straight
CH1 – SEV1011, straight
EU1 – CEE 7/VII, right angled
JP1 – JIS8303, straight
SE – with stripped ends
UK1 – BS1363, right angled fused 5A for IL13
US1 – NEMA5-15, straight
US2 – NEMA5-15, straight,
hospital grade according to UL817
Others: on request

IEC C13 Plus female plug, straight, lock

IL19-C20-H05-3150-200	IEC cable assembly with locking system for IEC C20 inlet, EU version
IL19-C20-SJT-3160-183	IEC cable assembly with locking system for IEC C20 inlet, US version
IL19-EU1-H05-3150-200	IEC cable assembly with locking system for IEC C20 inlet, EU version
IL19-SE-H05-3150-200	IEC cable assembly with locking system for IEC C20 inlet, stripped ends
IL19-UK1-H05-3150-200	IEC cable assembly with locking system for IEC C20 inlet, UK version
IL19-US1-SJT-3160-183	IEC cable assembly with locking system for IEC C20 inlet, US version

Load side IL19:

Mechanical data



Please visit www.schaffner.com to find more details on filter connectors.



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