

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) and up to 16 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



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
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-EU1-H05-3100-200	IEC cable assembly with locking system for IEC C14 inlet, EU version
IL13-US1-SVT-3100-183	IEC cable assembly with locking system for IEC C14 inlet, US version
IL13-US2-SJT-3100-...*	IEC cable assembly with locking system for IEC C14 inlet, US version, hospital grade
IL13-UK1-H05-3100-200	IEC cable assembly with locking system for IEC C14 inlet, UK version
IL13-CH1-H05-3100-200	IEC cable assembly with locking system for IEC C14 inlet, CH version
IL13-JP1-HVCTF-3125-200	IEC cable assembly with locking system for IEC C14 inlet, JP version
IL13-SE-H05-3100-200	IEC cable assembly with locking system for IEC C14 inlet, stripped ends

* To compile a complete part number, please replace the ... with the required lenght. This power cord is with 6ft. (-183) 9ft. (-275) and 12ft. (-366) deliverable.

Product selector IL13

IL13-yyy-zzz-aaaa-bbb

183

200

3100

3125

H05

SVT

SJT

HVCTF

C14

EU1

US1

US2

UK1

CH1

JP1

SE

IL13

cable length 183 cm (6ft), (only US versions)

cable length 200 cm (6ft 7in)

3 x 1.0 mm² (US: AWG18)

3 x 1.25 mm² (only Japan version)

cable type H05VV-F

cable type SVT

cable type SJT

cable type HVCTF

line side plug IEC C14 male, straight

line side plug CEE7/VII, right angled

line side plug NEMA5-15, straight

line side plug NEMA5-15, straight, hospital grade according UL817

line side plug BS1363, right angled, fused 5A

line side plug SEV1011, straight

line side plug JIS8303, straight

line side with stripped ends

load side 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-C14-SVT-3100-183	IEC cable assembly with locking system for IEC C14 inlet, US version
IL13P-EU1-H05-3100-200	IEC cable assembly with locking system for IEC C14 inlet, EU version
IL13P-US1-SVT-3100-183	IEC cable assembly with locking system for IEC C14 inlet, US version
IL13P-US2-SJT-3100-...*	IEC cable assembly with locking system for IEC C14 inlet, US version, hospital grade
IL13P-UK1-H05-3100-200	IEC cable assembly with locking system for IEC C14 inlet, UK version
IL13P-CH1-H05-3100-200	IEC cable assembly with locking system for IEC C14 inlet, CH version
IL13P-US1-H05-3160-183	IEC cable assembly with locking system for IEC C14 inlet, US 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

* To compile a complete part number, please replace the -... with the required lenght. This power cord is with 6ft. (-183) 9ft. (-275) and 12ft. (-366) deliverable.

Product selector IL13P

IL13 P yyz-zzz-aaaa-bbb	
183	cable length 183 cm (6 ft), (only US versions)
200	cable length 200 cm (6 ft 7 in)
3100	3 x 1.0 mm² (US: AWG18)
3125	3 x 1.25 mm² (only Japan version)
H05	cable type H05VV-F
SVT	cable type SVT
SJT	cable type SJT
HVCTF	cable type HVCTF
C14	line side plug IEC C14 male, straight
EU1	line side plug CEE7/VII, right angled
US1	line side plug NEMA5-15, straight
US2	line side plug NEMA5-15, straight, hospital grade according UL817
UK1	line side plug BS1363, right angled, fused 5A
CH1	line side plug SEV1011, straight
JP1	line side plug JIS8303, straight
SE	line side with stripped ends
P	bracket release
IL13	load side IEC C13 female plug, straight, lock

Cable selection table IL19

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

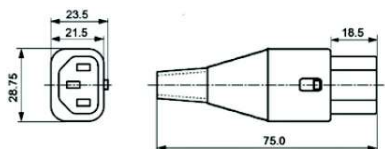
Product selector IL19

ILxx-yyy-zzz-aaaa-bbb

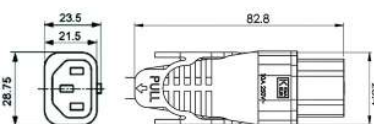
183	cable length 183 cm (6ft)
200	cable length 200cm (6ft 7inch)
3150	H05 3x1.5mm2 (SJT AWG14)
H05	cable type H05VV-F
SJT	cable type SJT
C20	line side plug IEC C20 male, straight
EU1	line side plug CEE7/VII, angled
US1	line side plug NEMA5-15, straight
UK1	line side plug BS1363, angled, fused 13A
SE	line side with stripped ends
IL19	cable with IEC C19 female plug, straight, IEC-lock

Mechanical data

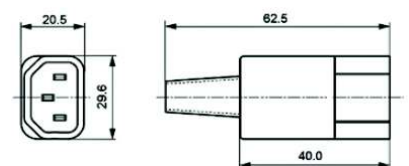
IEC Lock C13



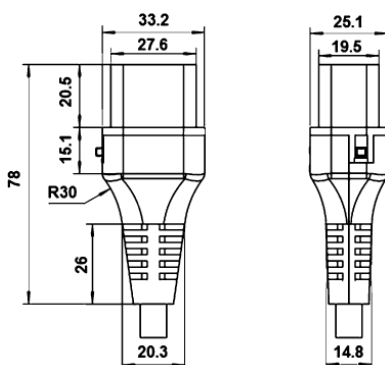
IEC Lock C13P



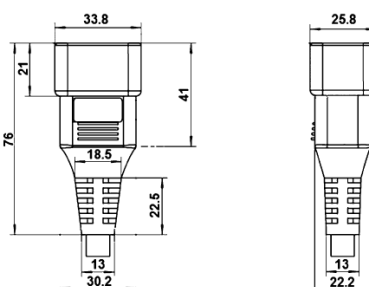
C14



IEC Lock C19



C20





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