

Power Cord with Locking System for Inlet Filters IL 13, IL 13 P, IL 19



- 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 16 A (C19 plug)
- Fits any Schaffner IEC C14/C20 inlet filter
- Retrofit for any IEC C14/C20 inlet filter
- 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 IL 13/IL 13 P

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 temperature 70°C, 10 A, Protection Class I
Connector (line side)	IEC C14 according to IEC/EN 60320-2-2; EU Schuko plug CEE7/II; UK plug BS 1363; US NEMA 5-15 plug standard or hospital grade (UL 817); CH plug SEV 1011; JP plug JIS 8303 Other plugs on request
Flammability corresponding to	Plugs: UL 94 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 13 P)
- Suitable for use with any C14 IEC inlet (IL 13, IL 13 P) 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 IL 19

Maximum continuous operating voltage	250 VAC, 50/60 Hz
Rated currents	16 A (IEC)
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
Cable	2 m; 3 x 1.50 mm ² ; H05 VV-5; 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/II angled; UK plug BS 1363 angled; US plug NEMA 5-15 straight; other plugs on request
Flammability corresponding to	Plugs: UL 94 V-2 or better; Cable: IEC 60332-1 Cat. F2

Cable selection table IL 13

IL 13-C14-H05-3100-X*	IEC cable assembly with locking system for IEC C14 inlet, EU version
IL 13-C14-SVT-3100-X*	IEC cable assembly with locking system for IEC C14 inlet, US version
IL 13-CH1-H05-3100-X*	IEC cable assembly with locking system for IEC C14 inlet, CH version
IL 13-EU1-H05-3100-X*	IEC cable assembly with locking system for IEC C14 inlet, EU version
IL 13-JP1-HVCTF-3125-X*	IEC cable assembly with locking system for IEC C14 inlet, JP version
IL 13-SE-H05-3100-X*	IEC cable assembly with locking system for IEC C14 inlet, stripped ends
IL 13-UK1-H05-3100-X*	IEC cable assembly with locking system for IEC C14 inlet, UK version
IL 13-US1-SVT-3100-X*	IEC cable assembly with locking system for IEC C14 inlet, US version
IL 13-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 IL 13

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	IEC C14, male, straight	C14	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	AU1						200 cm	200					
		SEV1011, straight	CH1						9 feet	275					
		CEE 7/III, right angled or straight	EU1						300 cm	300					
		Italian Plug	IT1						12 feet	366					
		Israel Plug	IL1						400 cm	400					
		Korean Plug	KC1						500 cm	500					
		South African Plug	SA1						1000 cm	1000					
		Stripped Ends	SE												
BS1363, right angled fused 5A	UK1														
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straight	C14	HVCTF	HVCTF	3x1.25mm ² 3x2.00mm ²	3125 3200	125VAC 12A 15A	100 cm	100	Black Blue Orange Red White	- B O R W	PSE		
		Japanese plug JIS C8303	JP1						200 cm	200					
		Stripped Ends	SE						300 cm	300					
									400 cm	400					
									500 cm	500					
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straight	C14	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	SE						200 cm	200					
		NEMA5-15, straight	US1						9 feet	275					
		NEMA5-15, straight, hospital grade	US2						300 cm	300					
									12 feet	366					
									400 cm	400					
									500 cm	500					
									1000 cm	1000					
		IL13	IEC C13 Female plug, straight, lock						IEC C14, male, straight	C14				RVV	RVV
Chinese plug	CN1														
Stripped Ends	SE														
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straigh	C14	IS 694 1000V	IS694	3x1.00mm ²	3100	250VAC 10A	200 cm	200	Black Blue Orange Red White	- B O R W	CB		
		Indian plug 3 Pin	IN1												
		Stripped Ends	SE												

*feet values are calculated to the matching length in cm

Cable selection table IL 13 P

IL 13 P-C14-H05-3100-X*	IEC cable assembly with locking system + for IEC C14 inlet, EU version
IL 13 P-CH1-H05-3100-X*	IEC cable assembly with locking system + for IEC C14 inlet, CH version
IL 13 P-EU1-H05-3100-X*	IEC cable assembly with locking system + for IEC C14 inlet, EU version
IL 13 P-JP1-HVCTF-3125-X*	IEC cable assembly with locking system + for IEC C14 inlet, JP version
IL 13 P-SE-H05-3100-X*	IEC cable assembly with locking system + for IEC C14 inlet, stripped ends
IL 13 P-UK1-H05-3100-X*	IEC cable assembly with locking system + for IEC C14 inlet, UK version
IL 13 P-US1-SJT-3160-X*	IEC cable assembly with locking system + for IEC C14 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 IL 13 P

To compile a complete part number exchange the letters (IL13P-yyy-zzz-aaaa-bbb-c) with the data from the table below.

Load side IL13P		Line side plug		Cable type		Cable core		Rating	Cable length*		Cable color		Cert.
IL13P		yyy		zzz		aaaa			bbb		c		
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight Australian plug 3 pins SEV1011, straight CEE 7/VII, right angled or straight Italian Plug Israel Plug Korean Plug South African Plug Stripped Ends BS1363, right angled fused 5A	C14 AU1 CH1 EU1 IT1 IL1 KC1 SA1 SE UK1	H05VV-F	H05	3x1.00mm²	3100	250VAC 10A	6 feet	183	Black Blue Orange Red White	- B O R W	CB KC KEMA SAA
									200 cm	200			
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight Japanese plug JIS C8303 Stripped Ends	C14 JP1 SE	HVCTF	HVCTF	3x1.25mm² 3x2.00mm²	3125 3200	125VAC 12A 15A	300 cm	300	Orange Red White	O R W	PSE
									400 cm	400			
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight Stripped Ends NEMA5-15, straight NEMA5-15, straight, hospital grade	C14 SE US1 US2	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
									200 cm	200			
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight Chinese plug Stripped Ends	C14 CN1 SE	RVV	RVV	3x1.00mm²	3100	250VAC 10A	300 cm	300	Black Blue Orange Red White	- B O R W	CCC
									400 cm	400			
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straigh Indian plug 3 Pin Stripped Ends	C14 IN1 SE	IS 694 1000V	IS694	3x1.00mm²	3100	250VAC 10A	500 cm	500	Black Blue Orange Red White	- B O R W	CB
									1000 cm	1000			

*feet values are calculated to the matching length in cm

Cable selection table IL 19

IL 19-C20-H05-3150-X*	IEC cable assembly with locking system for IEC C20 inlet, EU version
IL 19-C20-SJT-3160-X*	IEC cable assembly with locking system for IEC C20 inlet, US version
IL 19-EU1-H05-3150-X*	IEC cable assembly with locking system for IEC C20 inlet, EU version
IL 19-SE-H05-3150-X*	IEC cable assembly with locking system for IEC C20 inlet, stripped ends
IL 19-UK1-H05-3150-X*	IEC cable assembly with locking system for IEC C20 inlet, UK version
IL 19-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)

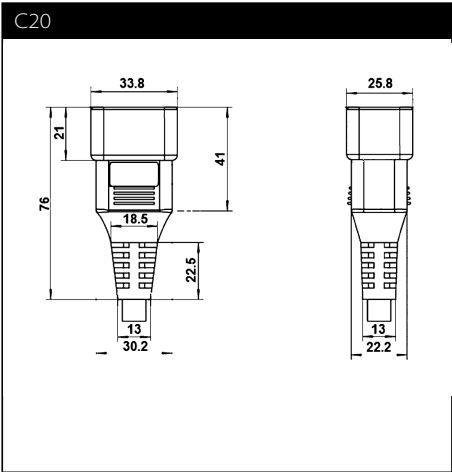
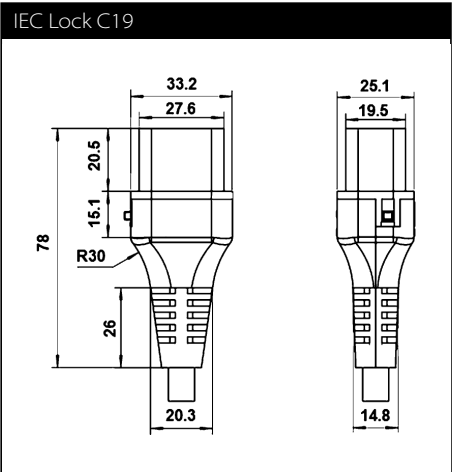
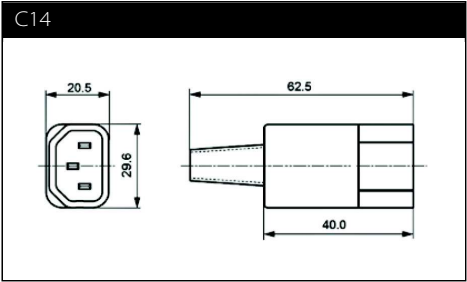
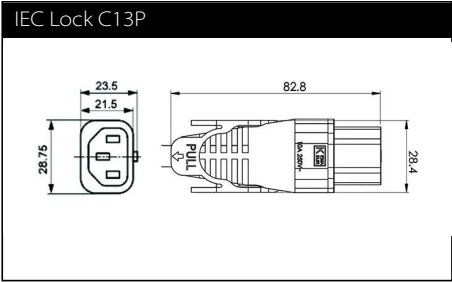
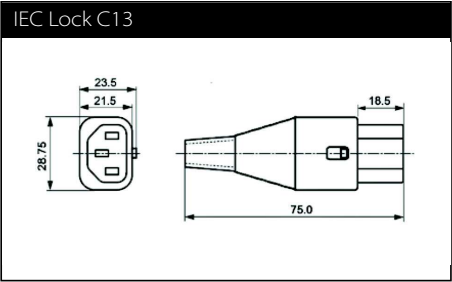
Available combinations IL 19

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 Australian plug 3 pins SEV1011, straight CEE 7/VII, right angled or straight Italian Plug South Africa plug Stripped Ends BS1363, right angled fused 13A	C20 AU1 CH1 EU1 IT1 SA1 SE UK1	H05VV-F	H05	3x1.50mm ²	3150	250VAC 16A	6 feet	183	Black Blue Orange Red White	- B O R W	CB KEMA SAA
									200 cm	200			
									9 feet	275			
									300 cm	300			
									12 feet	366			
IL19	IEC C19 Female plug, straight, lock	IEC C20, male, straight Japanese plug JIS C8303 Stripped Ends	C20 JP1 SE	HVCTF	HVCTF	3x2.00mm ²	3200	250VAC 20A	400 cm	400	Black Blue Orange Red White	- B O R W	PSE
									500 cm	500			
									100 cm	100			
									200 cm	200			
									300 cm	300			
IL19	IEC C19 Female plug, straight, lock	IEC C20, male, straight Stripped Ends NEMA5-15, straight Nema 5-20P	C20 SE US1 US4	SJT SVT	SJT SVT	AWG14 AWG12	3160 3205	125V 18A 20A	400 cm	400	Black Blue Orange Red White	- B O R W	UL cUL
									500 cm	500			
									1000 cm	1000			
									6 feet	183			
									200 cm	200			
IL19	IEC C19 Female plug, straight, lock	Chinese plug	CN1	RVVF	RVVF	3x1.50mm ²	3150	250V 16A	9 feet	275	black	-	CCC
									300 cm	300			
									12 feet	366			
									400 cm	400			
									500 cm	500			

*feet values are calculated to the matching length in cm

Mechanical data



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



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