

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 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



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 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

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), 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 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 yyy	Cable type		Cable core		Rating	Cable length*		Cable color		Cert.												
IL13			zzz		aaaa			bbb	c															
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straight Australian plug 3 pins SEV1011, straight CEE 7/VI, right angled CEE 7/VI, straight Italian Plug Israel Plug Korean Plug South African Plug Stripped Ends BS1363, right angled fused 5A BS1363, right angled fused 10A	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											
			200 cm						200															
			9 feet						275															
			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 Japanese Plug JIS C8303 insulated sleeves Stripped Ends				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
														200 cm						200				
300 cm	300																							
400 cm	400																							
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straight Stripped Ends NEMA5-15, straight NEMA5-15, straight, hospital grade	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											
			200 cm						200															
			9 feet						275															
			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 Chinese plug Stripped Ends	C14 CN1 SE	RVV	RVV	3x1.00mm ²	3100	250VAC 10A	200 cm	200	Black Blue Orange Red White	- B O R W	CCC											
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straight Indian plug 3 Pin Stripped Ends	C14 IN1 SE	BIS 694 1000V	BIS694	3x1.00mm ²	3100	250VAC 10A	200 cm	200	Black Blue Orange Red White	- B O R W	CB											

*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/VI, right angled CEE 7/VI, straight Italian Plug Israel Plug Korean Plug South African Plug Stripped Ends BS1363, right angled fused 5A BS1363, right angled fused 10A	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											
			200 cm						200															
			9 feet						275															
			300 cm						300															
			12 feet						366															
			400 cm						400															
			500 cm						500															
			1000 cm						1000															
			IL13P						IEC C13 + Female plug, straight, lock	IEC C14, male, straight Japanese Plug JIS C8303 insulated sleeves Stripped Ends				C14	HVCTF	HVCTF	3x1.25mm ² 3x2.00mm ²	3125 3200	125VAC	100 cm	100	Black Blue Orange Red White	- B O R W	PSE
			12A											200 cm					200					
15A	300 cm	300																						
	400 cm	400																						
	500 cm	500																						
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight Stripped Ends NEMAS-15, straight NEMAS-15, straight, hospital grade	C14	SJT SVT	SJT SVT	AWG 18 AWG 16 AWG 14	3100 3130 3160	125VAC	6 feet	183	Black Blue Orange Red White	- B O R W	UL cUL											
			10A					200 cm	200															
			13A					300 cm	300															
			15A					9 feet	275															
								366																
								400 cm	400															
	500 cm	500																						
	1000 cm	1000																						
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight Chinese plug Stripped Ends	C14	RVV	RVV	3x1.00mm ²	3100	250VAC	200 cm	200	Black Blue Orange Red White	- B O R W	CCC											
10A																								
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight Indian plug 3 Pin Stripped Ends	C14	BIS 694 1000V	BIS694	3x1.00mm ²	3100	250VAC	200 cm	200	Black Blue Orange Red White	- B O R W	CB											
10A																								

*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-aaa-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 15A 20A	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			
		Nema 5-20P	US4						300 cm	300			
									12 feet	366			
									400 cm	400			
		500 cm	500										
		1000 cm	1000										
IL19	IEC C19 Female plug, straight, lock	Chinese plug	CN1	RVVF	RVVF	3x1.50mm ²	3150	16A	200 cm	200	black	-	CCC

* if not seperately mentioned 250VAC is rated voltage

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



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