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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	IEC C14, male, straight Australian plug 3 pins SEV1011, straight CEE 7/VII, right angled CEE 7/VII, straight Italian Plug Israel Plug Korean Plug South African Plug Stripped Ends BS1363, right angled fused 5A BS1363, right angled fused 10A	C14 AU1 CH1 EU1 EU2 IT1 IL1 KC1 SA1 SE UK1 UK2	H05VV-F	H05	3x1.00mm²	3100	250VAC 10A	6 feet 200 cm 9 feet 300 cm 12 feet 400 cm 500 cm 1000 cm	183 200 275 300 366 400 500 1000	Black Blue Orange Red White	- B O R W	CB KC KEMA SAA
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straight Japanese Plug JIS C8303 insulated sleeves Stripped Ends	C14 JP1 SE	HVCTF	HVCTF	3x1.25mm² 3x2.00mm²	3125 3200	125VAC 12A 15A	100 cm 200 cm 300 cm 400 cm 500 cm	100 200 300 400 500	Black Blue Orange Red White	- B O R W	PSE
IL13	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 200 cm 9 feet 300 cm 12 feet 400 cm 500 cm 1000 cm	183 200 275 300 366 400 500 1000	Black Blue Orange Red White	- B O R W	UL cUL
IL13	IEC C13 Female plug, straight, lock	IEC C14, male, straight Chinese plug Stripped Ends	C14 CN1 SE	RVV	RVV	3x1.00mm²	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	3x1.00mm²	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 IL13P

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

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 IL13P

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**	**yyy**	**Cable type**	**zzz**	**Cable core**	**aaaa**	**Rating**	**Cable length***	**bbb**	**Cable color**	**c**	**Cert.**
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight Australian plug 3 pins SEV1011, straight CEE 7/VII, right angled CEE 7/VII, straight Italian Plug Israel Plug Korean Plug South African Plug Stripped Ends BS1363, right angled fused 5A BS1363, right angled fused 10A	C14 AU1 CH1 EU1 EU2 IT1 IL1 KC1 SA1 SE UK1 UK2	H05VV-F	H05	3x1.00mm²	3100	250VAC 10A	6 feet 200 cm 9 feet 300 cm 12 feet 400 cm 500 cm 1000 cm	183 200 275 300 366 400 500 1000	Black Blue Orange Red White	- B O R W	CB KC KEMA SAA
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight Japanese Plug JIS C8303 insulated sleeves Stripped Ends	C14 JP1 SE	HVCTF	HVCTF	3x1.25mm² 3x2.00mm²	3125 3200	125VAC 12A 15A	100 cm 200 cm 300 cm 400 cm 500 cm	100 200 300 400 500	Black Blue Orange Red White	- B O R W	PSE
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 200 cm 9 feet 300 cm 12 feet 400 cm 500 cm 1000 cm	183 200 275 300 366 400 500 1000	Black Blue Orange Red White	- B O R W	UL cUL
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	200 cm	200	Black Blue Orange Red White	- B O R W	CCC
IL13P	IEC C13 + Female plug, straight, lock	IEC C14, male, straight Indian plug 3 Pin Stripped Ends	C14 IN1 SE	BIS 694 1000V	BIS694	3x1.00mm²	3100	250VAC 10A	200 cm	200	Black Blue Orange Red White	- B O R W	CB
IL13P-S	IEC C13 + DUAL Locking Female plug, straight, lock	IEC C14 dual locking, male, straight	C14	H05VV-F	UC	3x1.00mm²	3100	250VAC 10A	50 cm 100 cm 150 cm 200 cm 250 cm 300 cm	50 100 150 200 250 300	Black Blue Red White	- B R W	ENEC cUL SAA

*feet values are calculated to the matching length in cm

New DUAL Locking Version IL13P-S



Locking functionality on both ends of the cord

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 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	3x1.50mm²	3150	16A 15A 16A 16A 16A 16A 16A 13A	6 feet 200 cm 9 feet 300 cm 12 feet 400 cm 500 cm 1000 cm	183 200 275 300 366 400 500 1000	Black Blue Orange Red White	- B O R W	CB KEMA SAA
IL19	IEC C19 Female plug, straight, lock	IEC C20, male, straight Japanese Plug JIS C8303 insulated sleeves Stripped Ends	C20 JP1 SE	HVCTF	HVCTF	3x2.00mm²	3200	15A	100 cm 200 cm 300 cm 400 cm 500 cm	100 200 300 400 500	Black Blue Orange Red White	- B O R W	PSE
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 15A 20A	6 feet 200 cm 9 feet 300 cm 12 feet 400 cm 500 cm 1000 cm	183 200 275 300 366 400 500 1000	Black Blue Orange Red White	- B O R W	UL cUL
IL19	IEC C19 Female plug, straight, lock	Chinese plug	CN1	RVVF	RVVF	3x1.50mm²	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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