



IEC Connectors

A full range of quality, mains rated inlets, outlets and connectors conforming to IEC and EN60320 specifications and fully UL, CSA and VDE approved. The combinations of mounting styles and terminations include: flange fixing, snap to panel and PCB mounting versions together with 2.8/solder tabs, 4.8 and 6.3 faston tabs, screw terminal and PC spill versions. And completing the range are insulating boots and retaining clips.

In addition to the standard black moulding most styles are also available in either white or grey.

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IEC60320 MAINS INLETS AND OUTLETS - PANEL MOUNTING

IEC60 320-1	Sheet No.	No. Pins	Flange Fixing	Snap fit	Fused Flange	Fused Snap fit	Filtered	Fused Filtered
\bigcirc	C8	2	PX0784 PX0786 (PC Mount)	PX0785				
	C14	3	PX0579 PX0580 PX0580/PC PX0580/PC/12132 PX0580/PC/7 PX0580/PC/7LC	PX0575 PX0575/PC	PF0001 PF0001/PC PF0002 PF0030 PF0030/PC	PF0011 PF0011/PC PF0033	PS00 PS01 PS02 PS03	PS20 PS21 PS22 PS23 PS25 PS26
	C16	3	PX0590	PX0595				
	C18	2	PX0690	PX0691 PX0691/PC	PF0006 PF0007	PF0016		
	C20	3	PX0596	PX0598				

IEC60 320-2-2	Sheet No.	No. Pins	Flange Fixing	Snap fit	Fused Flange	Fused Snap fit	Filtered	Fused Filtered
	Н	2	PX0705	PX0725				
	F	3	PX0675 PX0675/PC PX0675/PC/12599 PX0793 (Shuttered) PX0793/1 (Shuttered)	PX0695 PX0695/PC PX0714 PX0783 (Shuttered)				



IEC60320 MAINS INLETS AND OUTLETS - CABLE MOUNTING

IEC60 320-1	Sheet No.	No. Pins	Rewirable	Side Entry Rewirable	Non-Rewirable	Side Entry Non-Rewirable
	C13	3	PX0587	PX0587/SE PX0588	PZ0100	PZ0200
	C15	3	PX0597			
	C19	3	PX0599			

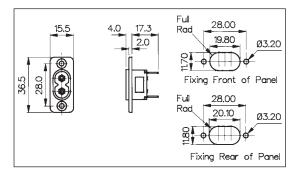
IEC60 320-2-2	Sheet No.	No. Pins	Rewirable	Side Entry Rewirable	Non-Rewirable	Side Entry Non-Rewirable
	E	3	PX0686	PX0685 PX0686/SE	PZ0500	PZ0600



EN60 320-1 Standard Sheet C8 Class II Cold Condition

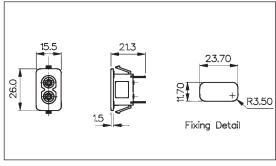


- Figure of Eight
- 2.8mm Solder Tabs
- 2.5A, 250V a.c.



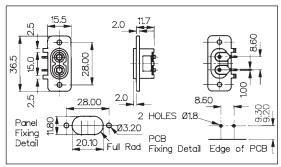


- Figure of Eight
- Fits Panel sizes 1, 1.5 or 2mm
- 2.8mm Solder Tabs
- 2.5A, 250V a.c.





- Figure of Eight
- PC Spills
- 2.5A, 250V a.c.
- PCB Location Clips



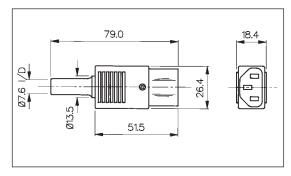
Specification	PX0784/28	PX0785/28	PX0786/PC
Fixing:	Flange	Snap Fit, 1mm, 1.5mm, 2mm	PCB/Flange
Terminations:	/28 (2.8mm solder)	/28 (2.8mm solder)	P.C. Spills
Max. Rating:	2.5A, 250V a.c.	2.5A, 250V a.c.	2.5A, 250V a.c.
Contact Resistance:	$<10m\Omega$	$<$ 10m Ω	$<$ 10m Ω
Insulation Resistance:	>10 ⁵ MΩ @ 500V d.c.	>10 ⁵ MΩ @ 500V d.c.	>10 ⁵ MΩ @ 500V d.c.
A.C. Breakdown:	4kV	4kV	4kV
Operating Temp. Range:	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C
Max. Pin Temp.:	+70°C	+70°C	+70°C
Mouldings:	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0
Contacts:	Pins: Turned Brass, Nickel Plated Tabs: Brass, Tin Plated	Pins: Turned Brass, Nickel Plated Tabs: Brass, Tin Plated	Pins: Turned Brass, Nickel Plated Tabs: Brass, Tin Plated
Approvals:	91 42 47	91 🕸 🕸	91 🕸 ®
Accessories / Notes:			
Mating Connectors:			



EN60 320-1 Standard Sheet C13 Class I Rewirable Cold Condition

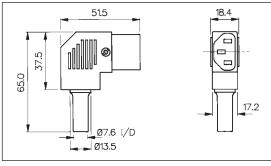


- Cable Mounting
- Rewirable
- Screw Terminals
- 10A, 250V a.c.



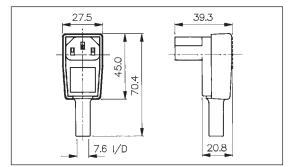


- Cable Mounting
- Rewirable
- Screw Terminals
- 10A, 250V a.c.





- Cable Mounting
- Rewirable
- Screw Terminals
- 10A, 250V a.c.



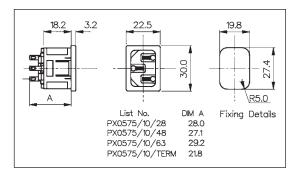
Specification	PX0587/Col	PX0587/SE/Col	PX0588
Terminations:	Screw Terminals	Screw Terminals	Screw Terminals
Colours:	/WH (White), /GY (Grey)	/WH (White), /GY (Grey)	-
Max. Rating:	10A, 250V a.c.	10A, 250V a.c.	10A, 250V a.c.
Contact Resistance:	<10mΩ	<10mΩ	<10mΩ
Insulation Resistance:	$> 10^3 M\Omega$	$> 10^3 M\Omega$	$>10^3 M\Omega$
A.C. Breakdown:	Pole-Pole 4.5kV. Poles-Accessible Parts 4kV	Pole-Pole 4.5kV. Poles-Accessible Parts 4kV	Pole-Pole 5kV. Poles-Accessible Parts 3.5kV
Operating Temp. Range:	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C
Withdrawal Force:	10N (Min.) 50N (Max.)	10N (Min.) 50N (Max.)	10N (Min.) 50N (Max.)
Mouldings:	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0
Contacts:	Brass, Clean	Brass, Clean	Brass, Clean
Approvals:	A B R C B A	A (1) (2) (3) (4) (4) (4) (4) (4) (4) (4) (4) (4) (4	A S R B B
Accessories / Notes:			
Mating Connectors:	PX0575, PX0579, PX0580, PF0001, PF0011, PF0030, PF0033	PX0575, PX0579, PX0580, PF0001, PF0011, PF0030, PF0033	PX0575, PX0579, PX0580, PF0001, PF0011, PF0030, PF0033



EN60 320-1 Standard Sheet C14 Class I Cold Condition

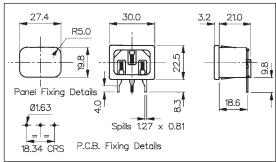


- Fits Panel Sizes 1, 1.5, 2.0 or 3.0mm
- 2.8, 4.8, 6.3mm Tabs or Screw Terminals
- 10A, 250V a.c.
 (15A, 250V a.c. UL & CSA)





- Fits Panel Sizes 1, 1.5, 2.0 or 3.0mm
- PC Spills
- 10A, 250V a.c. (15A, 250V a.c. UL & CSA)



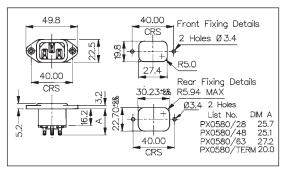
Specification	PX0575/Panel/Term/Col	PX0575/Panel/PC/Col
Fixing(Panel):	Snap fit, /10 (1mm), /15 (1.5mm), /20 (2mm), /30 (3mm)	Snap fit, /10 (1mm), /15 (1.5mm), /20 (2mm), /30 (3mm)
Terminations:	/28 (2.8mm solder), /48 (4.8mm tab) /63 (6.3mm tab), /TERM (screw)	P.C. Spills
Colours:	/WH (White), /GY (Grey)	/WH (White), /GY (Grey)
Max. Rating:	10A, 250V a.c. (UL & CSA 15A, 250V a.c.)	10A, 250V a.c. (UL & CSA 15A, 250V a.c.)
Contact Resistance:	$<10m\Omega$	$<10m\Omega$
Insulation Resistance:	$> 10^3 M\Omega$	$> 10^3 M\Omega$
A.C. Breakdown:	Pole-Pole 5kV. Poles-Panel 5.4kV	Pole-Pole 5kV. Poles-Panel 5.4kV
Operating Temp. Range:	-40°C to +70°C	-40°C to +70°C
Max. Pin Temp.:	+70°C	+70°C
Mouldings:	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0
Contacts:	Brass: Pins, Nickel Plated. Tabs, Tin Plated, Screw Terms, Nickel Plated	Brass: Pins, Nickel Plated. Spills, Tin Plated
Approvals:	4 9 1 R 2 4	4 ♥ ♥ 4
Accessories / Notes:	P.No. 11328 (See Pages 67)	Standard without cover. With cover add /C to P.No.
Mating Connectors:	PX0587, PX0587/SE, PX0588 PZ0100, PZ0200	PX0587, PX0587/SE, PX0588 PZ0100, PZ0200



EN60 320-1 Standard Sheet C14 Class I Cold Condition



- 2.8, 4.8, 6.3mm Tabs or Screw Terminals
- 10A, 250V a.c.
 (15A, 250V a.c. UL & CSA)

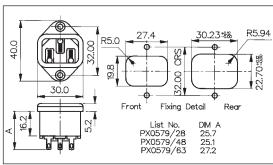




PX0580/Term/Col

Specification

- 2.8, 4.8, 6.3mm Tabs or Screw Terminals
- 10A, 250V a.c.
 (15A, 250V a.c. UL & CSA)



<u> </u>		
Fixing:	Flange	Flange
Terminations:	/28 (2.8mm solder), /48 (4.8mm tab) /63 (6.3mm tab), /TERM (screw)	/28 (2.8mm solder), /48 (4.8mm tab) /63 (6.3mm tab), /TERM (screw)
Colours:	/WH (White), /GY (Grey)	/WH (White), /GY (Grey)
Max. Rating:	10A, 250V a.c. (UL & CSA 15A, 250V a.c.)	10A, 250V a.c. (UL & CSA 15A, 250V a.c.)
Contact Resistance:	$<10m\Omega$	<10mΩ
Insulation Resistance:	$> 10^3 M\Omega$	$> 10^3 M\Omega$
A.C. Breakdown:	Pole-Pole 5kV. Poles-Panel 10kV	Pole-Pole 5kV. Poles-Panel 10kV
Operating Temp. Range:	-40°C to +70°C	-40°C to +70°C
Max. Pin Temp.:	+70°C	+70°C
Mouldings:	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0
Contacts:	Brass: Pins, Nickel Plated. Tabs, Tin Plated, Screw Terms, Nickel Plated	Brass: Pins, Nickel Plated. Tabs, Tin Plated
Approvals:	4 (1) (2) (2) (4)	\$ ® \Q ♥ ® \Q
Accessories / Notes:	P.No. 11328, KT0006 (PX0587 & PZ0100 only) (See Pages 66 and 67)	P.No. 11328 (See Page 67)
Mating Connectors:	PX0587, PX0587/SE, PX0588 PZ0100, PZ0200	PX0587, PX0587/SE, PX0588 PZ0100, PZ0200

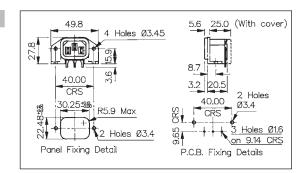
PX0579/Term/Col



EN60 320-1 Standard Sheet C14 Class I Cold Condition

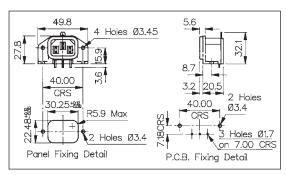


- With or Without Rear Cover
- PC Spills
- 10A, 250V a.c. (15A, 250V a.c. UL & CSA)





- With or Without Cover
- PC Spills
- 4.8mm Top Tab (earth)
- 10A, 250V a.c.
 (15A, 250V a.c. UL & CSA)



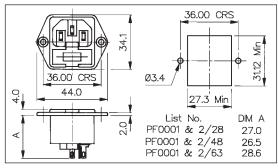
Specification	PX0580/PC/Col	PX0580/PC/7/Col	
Fixing:	P.C.B./Flange	P.C.B./Flange	
Terminations:	P.C. Spills	P.C. Spills	
Colours:	/WH (White), /GY (Grey)	/WH (White), /GY (Grey)	
Max. Rating:	10A, 250V a.c. (UL & CSA 15A, 250V a.c.)	10A, 250V a.c. (UL & CSA 15A, 250V a.c.)	
Contact Resistance:	$<$ 10m Ω	$<$ 10m Ω	
Insulation Resistance:	$> 10^3 M\Omega$	>10 ³ MΩ	
A.C. Breakdown:	Pole-Pole 5.4kV. Poles-Panel 10kV	Pole-Pole 4kV. Poles-Panel 6kV	
Operating Temp. Range:	-40°C to +70°C	-40°C to +70°C	
Max. Pin Temp.:	+70°C	+70°C	
Mouldings:	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0	
Contacts:	Brass: Pins, Nickel Plated. Spills, Tin Plated	Brass: Pins, Nickel Plated. Spills, Tin Plated	
Approvals:	\$ ® \\$ \\$ \\$ \\$	\$ ® \\$ \\$ \\$ \\$	
Accessories / Notes:	Standard without cover. With cover add /12132 to P.No.	Standard with cover. Without cover add LC to P.No.	
Mating Connectors:	PX0587, PX0587/SE, PX0588 PZ0100, PZ0200	PX0587, PX0587/SE, PX0588 PZ0100, PZ0200	



EN60 320-1 Standard Sheet C14 Class I Cold Condition (Fused)

FLANGE MOUNT FUSED INLET PF0001/28 PF0002/28

- Single Fuse 5 x 20mm
- Spare Fuse Facility
- **2.8**, 4.8 or 6.3mm Tabs
- 10A, 250V a.c.
- Fuse Contacts Isolated (PF0002)

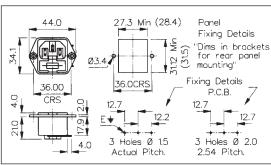




PF0001/Term/Col

Specification

- Single Fuse 5 x 20mm
- Spare Fuse Facility
- PC Spills Horizontal
- 10A, 250V a.c.



PF0002/Term/Col

-pecinicanion	111000171011117001	1110001/1 0/ 001	1110002/101111/001
Fixing:	Flange	P.C.B./Flange	Flange
Terminations:	/28 (2.8mm solder), /48 (4.8mm tab) /63 (6.3mm tab)	P.C. Spills	/28 (2.8mm solder), /48 (4.8mm tab) /63 (6.3mm tab)
Colours:	/WH (White), /GY (Grey)	/WH (White), /GY (Grey)	/WH (White), /GY (Grey)
Max. Rating:	10A, 250V a.c.	10A, 250V a.c.	10A, 250V a.c.
Contact Resistance:	$<$ 10m Ω ($<$ 15m Ω including Fuseholder)	$<$ 10m Ω ($<$ 15m Ω including Fuseholder)	<10mΩ
Insulation Resistance:	$> 10^3 M\Omega$	$>$ 10 3 M Ω	$>$ 10 3 M Ω
A.C. Breakdown:	Pole-Pole 5.5kV. Poles-Panel 4kV	Pole-Pole 5.5kV. Poles-Panel 4kV	Pole-Pole 5.5kV. Poles-Panel 4kV
Operating Temp. Range:	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C
Max. Pin Temp.:	+70°C	+70°C	+70°C
Mouldings:	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0
Contacts:	Brass: Pins, Nickel Plated. Tabs, Tin Plated	Brass: Pins, Nickel Plated. Tabs, Tin Plated	Brass: Pins, Nickel Plated. Tabs, Tin Plated
Approvals:	4 (1) (2) (1)	4 (17 (2 (10 (4)	4 (17 (2 (10 (4)
Accessories / Notes:	P.No. 11987, KT0009 (See Pages 66-67)	KT0009 (front of panel mounting only) (See Page 66)	P.No. 11987, KT0009 (See Pages 66-67) (Note: Fuse contact isolated)
Mating Connectors:	PX0587, PX0587/SE, PX0588, PZ0100, PZ0200	PX0587, PX0587/SE, PX0588, PZ0100, PZ0200	PX0587, PX0587/SE, PX0588, PZ0100, PZ0200

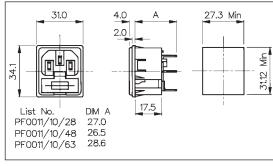
PF0001/PC/Col



EN60 320-1 Standard Sheet C14 Class I Cold Condition (Fused)

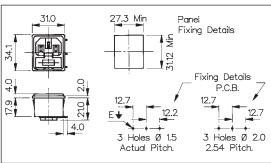


- Single Fuse 5 x 20mm
- Spare Fuse Facility
- Panel Sizes 1, 1.5, 2.0 or 3.0mm
- 2.8, 4.8 or 6.3mm Tabs
- 10A, 250V a.c.





- Single Fuse 5 x 20mm
- Spare Fuse Facility
- Panel Sizes 1, 1.5, 2.0 or 3.0mm
- PC Spills
- 10A, 250V a.c.



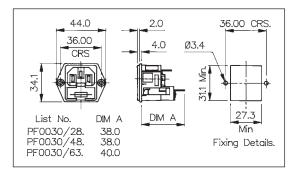
Specification	PF0011/Panel/Term/Col	PF0011/Panel/PC/Col
Fixing(Panel):	Snap fit, /10 (1mm), /15 (1.5mm), /20 (2mm), /30 (3mm)	Snap fit, /10 (1mm), /15 (1.5mm), /20 (2mm), /30 (3mm)
Terminations:	/28 (2.8mm solder), /48 (4.8mm tab) /63 (6.3mm tab)	P.C. Spills
Colours:	/WH (White), /GY (Grey)	/WH (White), /GY (Grey)
Max. Rating:	10A, 250V a.c.	10A, 250V α.c.
Contact Resistance:	<10m Ω (<15m Ω including Fuseholder)	<10m Ω (<15m Ω including Fuseholder)
Insulation Resistance:	$>10^3 M\Omega$	$>10^3 M\Omega$
A.C. Breakdown:	Pole-Pole 5.5kV. Poles-Panel 4kV	Pole-Pole 5.5kV. Poles-Panel 4kV
Operating Temp. Range:	-40°C to +70°C	-40°C to +70°C
Max. Pin Temp.:	+70°C	+70°C
Mouldings:	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0
Contacts:	Brass: Pins, Nickel Plated. Tabs, Tin Plated	Brass: Pins, Nickel Plated. Spills, Tin Plated
Approvals:	4 (7) (2) (4)	4 (1) (2) (4) (4)
Accessories / Notes:	P.No. 11987 (See Page 67)	
Mating Connectors:	PX0587, PX0587/SE, PX0588, PZ0100, PZ0200	PX0587, PX0587/SE, PX0588, PZ0100, PZ0200



EN60 320-1 Standard Sheet C14 Class I Cold Condition (Fused, Twin)

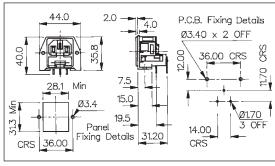
FLANGE MOUNT FUSED INLET PF0030/28

- Twin Fused 5 x 20mm
- 2.8, 4.8 or 6.3mm Tabs
- 10A, 250V a.c.



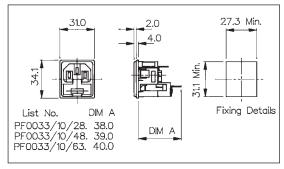


- Twin Fused 5 x 20mm
- PC Spills
- 10A, 250V a.c.





- Twin Fused 5 x 20mm
- Fits Panel Sizes 1.0, 1.5, 2.0 or 3.0mm
- **2.8, 4.8 or 6.3mm Tabs**
- 10A, 250V a.c.



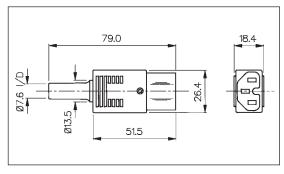
Specification	PF0030/Termination	PF0030/PC	PF0033/Panel/Termination
Fixing (Panel):	Flange	P.C.B/Flange	Snap fit, /10 (1mm), /15 (1.5mm), /20 (2mm), /30 (3mm)
Terminations:	/28 (2.8mm solder), /48 (4.8mm tab) /63 (6.3mm tab)	P.C. Spills	/28 (2.8mm solder), /48 (4.8mm tab) /63 (6.3mm tab)
Max. Rating:	10A, 250V a.c.	10A, 250V a.c.	10A, 250V a.c.
Contact Resistance:	$<$ 15m Ω (per pole)	$<$ 15m Ω (per pole)	$<$ 15m Ω (per pole)
Insulation Resistance:	>10 ⁴ MΩ	$>$ 10 4 M Ω	$>$ 10 4 M Ω
A.C. Breakdown:	Pole-Pole 6kV. Poles-Panel 5kV	Pole-Pole 6kV. Poles-Panel 5kV	Pole-Pole 6kV. Poles-Panel 5kV
Max. Dissipation Per Fuse:	2.5W	2.5W	2.5W
Operating Temp. Range:	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C
Max. Pin Temp.:	+70°C	+70°C	+70°C
Mouldings:	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0
Contacts:	Brass: Pins, Nickel Plated. Tabs, Tin Plated	Brass: Pins, Nickel Plated. Tabs, Tin Plated	Brass: Pins, Nickel Plated. Tabs, Tin Plated
Approvals:	♠ * ⊕ S 9 1 ® *Pending	♠ * ⊕ S 9 1 6 *Pending	⚠ * ⊕ S S P *Pending
Accessories / Notes:	KT0009 (See Page 66)		Ü
Mating Connectors:	PX0587, PX0587/SE, PX0588, PZ0100, PZ0200	PX0587, PX0587/SE, PX0588, PZ0100, PZ0200	PX0587, PX0587/SE, PX0588, PZ0100, PZ0200



EN60 320-1 Standard Sheet C15 Class I & Standard Sheet C16 Class I Hot Condition

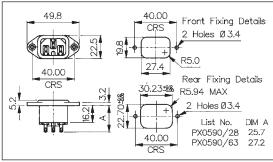


- Cable Mounting
- Hot Condition
- Mates with PX0590 and PX0595
- Screw Terminals
- 10A, 250V a.c.



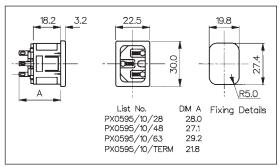


- Hot Condition
- 2.8 or 6.3mm Tabs
- 10A, 250V a.c.
 (15A, 250V a.c. UL & CSA)





- Hot Condition
- Panel Sizes 1, 1.5, 2.0 or 3 0mm
- 2.8, 4.8, 6.3mm Tabs or Screw Terminals
- 10A, 250V a.c.
 (15A, 250V a.c. UL & CSA)



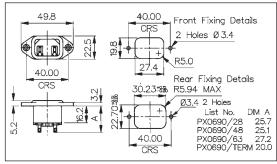
Specification	PX0597/Col	PX0590/Term/Col	PX0595/Panel/Term/Col
Fixing (Panel):		Flange	Snap fit, /10 (1mm), /15 (1.5mm), /20 (2mm), /30 (3mm)
Terminations:	Screw Terminals	/28 (2.8mm solder), /63 (6.3mm tab)	/28 (2.8mm solder), /48 (4.8mm tab) /63 (6.3mm tab), /TERM (screw)
Terminations:	/WH (White), /GY (Grey)	/WH (White), /GY (Grey)	/WH (White), /GY (Grey)
Max. Rating:	10A, 250V a.c.	10A, 250V a.c. (UL & CSA 15A, 250V a.c.)	10A, 250V a.c. (UL & CSA 15A, 250V a.c.)
Contact Resistance:	$<10m\Omega$	$<10m\Omega$	$<$ 10m Ω
Insulation Resistance:	$> 10^3 M\Omega$	$>10^3 M\Omega$	$> 10^3 M\Omega$
A.C. Breakdown:	Pole-Pole 4.5kV. Poles-Accessible Parts 4kV		
Operating Temp. Range:	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C
Max. Pin Temp.:		+120°C	+120°C
Withdrawal Force:	10N (Min.) 50N (Max.)		
Mouldings:	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0
Contacts:	Brass, Clean	Brass, Pins Nickel Plated. Tabs, Tin Plated Brass, Pins Nickel Plated. Tabs, Ti	
Approvals:	② ② 31 ② ♥	② 3 17 ② 3 3	* * * * * * * * * * * * * * * * * * *
Accessories / Notes:		P.No. 11328, KT0006 (See pages 66-67)	P.No. 11328 (See page 67)
Mating Connectors:	PX0590, PX0595	PX0597	PX0597



EN60 320-1 Standard Sheet C18 Class II Cold Condition

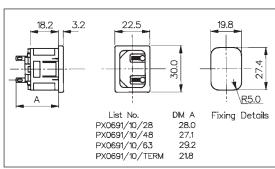


- Two Pin Class II (No Earth Pin)
- 2.8, 4.8, 6.3mm Tabs or Screw Terminals
- 10A, 250V a.c.
 (15A, 250V a.c. UL & CSA)



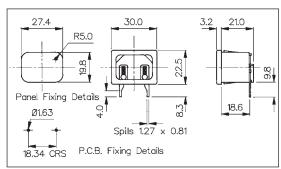


- Two Pin Class II (No Earth Pin)
- Panel Sizes 1, 1.5, 2.0 or 3.0mm
- 2.8, 4.8, 6.3mm Tabs or Screw Terminals
- 10A, 250V a.c.
 (15A, 250V a.c. UL & CSA)





- Two Pin Class II (No Earth Pin)
- Panel Sizes 1, 1.5, 2.0 or 3.0mm
- PC Spills
- 10A, 250V a.c.
 (15A, 250V a.c. UL & CSA)



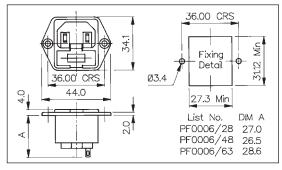
Specification	PX0690/Term/Col	PX0691/Panel/Term/Col	PX0691/Panel/PC/Col
Fixing(Panel):	Flange	Snap fit, /10 (1mm), /15 (1.5mm), /20 (2mm), /30 (3mm)	Snap fit, /10 (1mm), /15 (1.5mm), /20 (2mm), /30 (3mm)
Terminations:	/28 (2.8mm solder), /48 (4.8mm tab) /63 (6.3mm tab), /TERM (screw)	/28 (2.8mm solder), /48 (4.8mm tab) /63 (6.3mm tab), /TERM (screw)	P.C. Spills
Colours:	/WH (White), /GY (Grey)	/WH (White), /GY (Grey)	/WH (White), /GY (Grey)
Max. Rating:	10A, 250V a.c. (UL & CSA 15A, 250V a.c.)	10A, 250V a.c. (UL & CSA 15A, 250V a.c.)	10A, 250V a.c. (UL & CSA 15A, 250V a.c.)
Contact Resistance:	$<10m\Omega$	$<$ 10m Ω	$<10m\Omega$
Insulation Resistance:	$> 10^3 M\Omega$	$> 10^3 M\Omega$	$> 10^3 M\Omega$
A.C. Breakdown:	Pole-Pole 5kV. Poles-Panel 10kV	Pole-Pole 5kV. Poles-Panel 5.4kV	Pole-Pole 5kV. Poles-Panel 5.4kV
Operating Temp. Range:	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C
Max. Pin Temp.:	+70°C	+70°C	+70°C
Mouldings:	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0
Contacts:	Brass: Pins, Nickel Plated. Tabs, Tin Plated, Screw Terms, Nickel Plated	Brass: Pins, Nickel Plated. Tabs, Tin Plated, Screw Terms, Nickel Plated	Brass: Pins, Nickel Plated. Spills, Tin Plated
Approvals:	♠ ♥ % %	4 (1) (2) (1)	
Accessories / Notes:	P.No. 11328 (See Page 67)	P.No. 11328 (See Page 67)	Standard without cover. With cover add /C to P.No.
Mating Connectors:			



EN60 320-1 Standard Sheet C18 Class II Cold Condition (Fused)

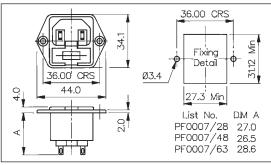


- Single Fuse 5 x 20mm
- Two Pin Class II (No Earth Pin)
- 2.8, 4.8 or 6.3mm Tabs
- 10A, 250V a.c.



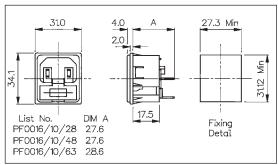


- Single Fuse 5 x 20mm (Fuse Contacts Isolated)
- Two Pin Class II (No Earth Pin)
- **2.8, 4.8 or 6.3mm Tabs**
- 10A, 250V a.c.





- Single Fuse 5 x 20mm
- Two Pin Class II (No Earth Pin)
- Fits Panel Sizes 1.0, 1.5, 2.0 or 3.0mm
- 2.8, 4.8 or 6.3mm Tabs
- 10A, 250V a.c.



Specification	PF0006/Term/Col	PF0007/Term/Col	PF0016/Panel/Term/Col
Fixing (Panel):	Flange	Flange	Snap fit, /10 (1mm), /15 (1.5mm), /20 (2mm), /30 (3mm)
Terminations:	/28 (2.8mm solder), /48 (4.8mm tab) /63 (6.3mm tab)	/28 (2.8mm solder), /48 (4.8mm tab) /63 (6.3mm tab)	/28 (2.8mm solder), /48 (4.8mm tab) /63 (6.3mm tab)
Colours:	/WH (White), /GY (Grey)	/WH (White), /GY (Grey)	/WH (White), /GY (Grey)
Max. Rating:	10A, 250V a.c.	10A, 250V a.c.	10A, 250V a.c.
Contact Resistance:	<10m Ω (<15m Ω including Fuseholder)	<10mΩ	<10m Ω (<15m Ω including Fuseholder)
Insulation Resistance:	$> 10^3 M\Omega$	$> 10^3 M\Omega$	$> 10^3 M\Omega$
A.C. Breakdown:	Pole-Pole 5.5kV. Poles-Panel 4kV	Pole-Pole 5.5kV. Poles-Panel 4kV	Pole-Pole 5.5kV. Poles-Panel 4kV
Operating Temp. Range:	-40°C to +70°C	-40°C to +70°C	_40°C to +70°C
Max. Pin Temp.:	+70°C	+70°C	+70°C
Mouldings:	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0
Contacts:	Brass: Pins, Nickel Plated. Tabs, Tin Plated	Brass: Pins, Nickel Plated. Tabs, Tin Plated	Brass: Pins, Nickel Plated. Tabs, Tin Plated
Approvals:	A (1) (2) (4)	4 (1) (2) (4)	4 (1) (2) (1) (4)
Accessories / Notes:	P.No. 11987 (See Page 67)	P.No. 11987 (See Page 67) (Note: Fuse contacts isolated)	P.No. 11987 (See Page 67)
Mating Connectors:			

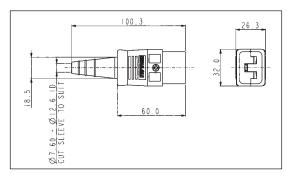


EN60 320-1 Standard Sheet C19 Class I & Standard Sheet C20 Class I Cold Condition

CI9 STRAIGHT FEMALE CABLE CONNECTOR Rewin 16A, (20A

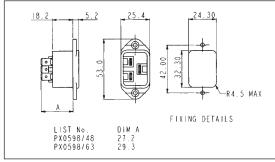
PX0599

- Rewirable Screw Terminals
- 16A, 250V a.c.
 (20A, 250V a.c. UL and CSA)
- Wire Sizes (max);
 3 x 2.5mm², 3 x 12AWG
- Overall cable diameter up to 12mm



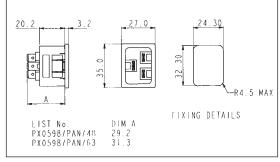


- 6.3mm or 4.8mm Tabs
- 16A, 250V a.c.
 (20A, 250V a.c. UL and CSA)





- Fits panel sizes 1, 1.5, 2.0 or 3.0mm
- 6.3mm or 4.8mm Tabs
- 16A, 250V a.c.
 (20A, 250V a.c. UL and CSA)



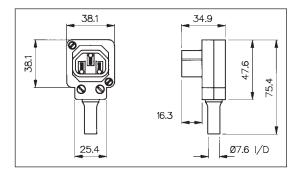
Specification	PX0599	PX0596/Termination	PX0598/Panel/Termination
Fixing (Panel):	-	Flange	Snap Fit, /10 (1mm), /15 (1.5mm), /20 (2mm), /30 (3mm)
Terminations:	Screw Terminals	/63 (6.3mm tab), /48 (4.8mm tab)	/63 (6.3mm tab), /48 (4.8mm tab)
Max. Rating:	16A, 250V ac 20A, 250V ac UL and CSA	16A, 250V ac 20A, 250V ac UL and CSA	16A, 250V ac 20A, 250V ac UL and CSA
Insulation Resistance:	>5MΩ	>5MΩ	>5MΩ
Operating Temp. Range:	-40°C to +70°C	-40°C to +70°C	-40°C to +70°C
Max. Pin Temp.:	-	70°C	70°C
Withdrawal Force:	15N Min, 60N Max.	-	-
Mouldings:	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL 94V-0
Contacts:	Brass, Clean	Pins: Brass, Nickel Plated Tabs: Brass, Tin Plated	Pins: Brass, Nickel Plated Tabs: Brass, Tin Plated
Approvals:	91 @ <u>@</u>	Al ® 🕸	71 ® 🕸
Mating Connectors:	C20 Inlets; PX0596 Flange and PX0598 Snapfit	PX0599 Rewirable Connector	PX0599 Rewirable Connector
Accessories:		KT0012, P.No. 14064 (see pages 66-67)	P.No. 14064 (see page 67)



EN60 320-2-2 Standard Sheet E Class I Rewirable

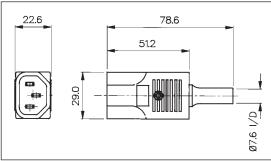


- Cable Mounting
- Four Position Cable Entry
- Rewirable
- Screw Terminals
- 10A, 250V a.c.





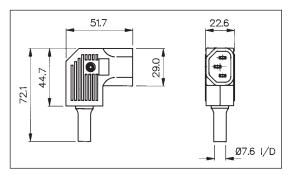
- Cable Mounting
- Rewirable
- Screw Terminals
- 10A, 250V a.c.







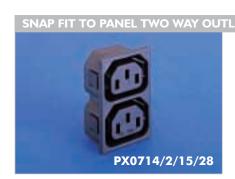
- Cable Mounting
- Rewirable
- Screw Terminals
- 10A, 250V a.c.



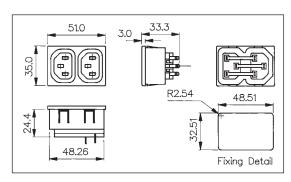
Specification	PX0685/Col	PX0686/Col	PX0686/SE/Col
Terminations:	Screw Terminals	Screw Terminals	Screw Terminals
Max. Rating:	10A, 250V a.c.	10A, 250V a.c.	10A, 250V a.c.
Colours:	/WH (White), /GY (Grey)	/WH (White), /GY (Grey)	/WH (White), /GY (Grey)
Contact Resistance:	<10mΩ	$<10m\Omega$	$<$ 10m Ω
Insulation Resistance:	$> 10^4 \mathrm{M}\Omega$	>10 ⁴ MΩ	$>$ 10 4 M Ω
A.C. Breakdown:	Pole-Pole 5.2kV. Poles-Accessible Parts 6kV	Pole-Pole 5kV. Poles-Accessible Parts 5kV	Pole-Pole 5kV. Poles-Accessible Parts 5kV
Operating Temp. Range:	_40°C to +70°C	-40°C to +70°C	-40°C to +70°C
Withdrawal Force:	10N (Min.) 50N (Max.)	10N (Min.) 50N (Max.)	10N (Min.) 50N (Max.)
Mouldings:	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0
Contacts:	Brass, Nickel Plated.	Brass, Nickel Plated.	Brass, Nickel Plated.
Approvals:	FL (P		
Accessories / Notes:	Unique octagon module allows choice of 4 cable positions		
Mating Connectors:	PX0675, PX0695, PX0783, PX0793, PX0793/1	PX0675, PX0695, PX0783, PX0793, PX0793/1, PX0714	PX0675, PX0695, PX0783, PX0793, PX0793/1, PX0714



EN60 320-2-2 Standard Sheet F Class I

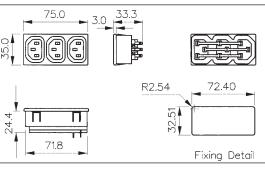


- Panel Size 1.5mm
- 2.8mm Solder Tabs
- 10A, 250V a.c. (15A, 250V a.c. UL)
- All Terminals Linked



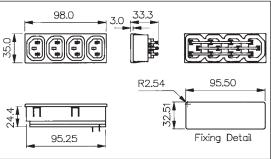


- Panel Size 1.5mm
- 2.8mm Solder Tabs
- 10A, 250V a.c. (15A, 250V a.c. UL)
- All Terminals Linked





- Panel Size 1.5mm
- 2.8mm Solder Tabs
- 10A, 250V a.c. (15A, 250V a.c. UL)
- All Terminals Linked



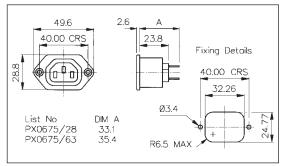
Specification	PX0714/2/15/28	PX0714/3/15/28	PX0714/4/15/28
Fixing:	Snap fit /15 (1.5mm)	Snap fit /15 (1.5mm)	Snap fit /15 (1.5mm)
Terminations:	/28 (2.8mm solder)	/28 (2.8mm solder)	/28 (2.8mm solder)
Total Max. Rating:	10A, 250V a.c. 15A, 250V a.c UL	10A, 250V a.c. 15A, 250V a.c UL	10A, 250V a.c. 15A, 250V a.c UL
Operating Temp. Range:	-20°C to +70°C	-20°C to +70°C	-20°C to +70°C
Mouldings:	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0
Contacts & Busbar:	Plated Copper Alloy	Plated Copper Alloy	Plated Copper Alloy
Approvals:			
Mates with:	PX0686, PX0686/SE, PZ0500, PZ0600	PX0686, PX0686/SE, PZ0500, PZ0600	PX0686, PX0686/SE, PZ0500, PZ0600



EN60 320-2-2 Standard Sheet F Class I

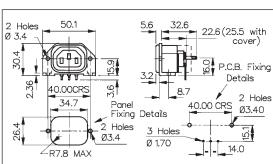


- 2.8mm or 6.3mm Tabs
- 10A, 250V a.c. (15A, 250V a.c. UL & CSA)





- PC Spills
- 10A, 250V a.c.
 (15A, 250V a.c. UL & CSA)



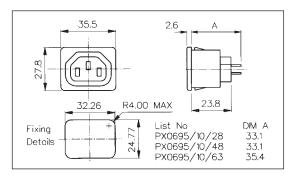
Specification	PX0675/Term/Col	PX0675/PC/Col
Fixing:	Flange	P.C.B./Flange
Terminations:	/28 (2.8mm solder), /63 (6.3mm tab)	P.C. Spills
Colours:	/WH (White), /GY (Grey)	/WH (White), /GY (Grey)
Max. Rating:	10A, 250V a.c. (UL & CSA 15A, 250V a.c.)	10A, 250V a.c. (UL & CSA 15A, 250V a.c.)
Contact Resistance:	$<$ 10m Ω	$<$ 10m Ω
Insulation Resistance:	$>$ 10 4 M Ω	$>$ 104 M Ω
A.C. Breakdown:	Pole-Pole 7kV. Poles-Panel 9kV	Pole-Pole 4kV. Poles-Panel 9kV
Operating Temp. Range:	-40°C to +70°C	-40°C to +70°C
Mouldings:	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0
Contacts:	Brass, Tin Plated	Brass, Tin Plated
Approvals:	4 (1) (2) (1) 4	4 (1) (2) (1)
Accessories / Notes:	P.No. 12075, KT0006 (See Pages 66-67)	Standard without cover. With cover add /12599 to P.No.
Mates with:	PX0685, PX0686, PX0686/SE, PZ0500. PZ0600	PX0685, PX0686, PX0686/SE, PZ0500, PZ0600



EN60 320-2-2 Standard Sheet F Class I

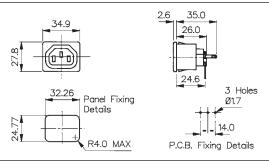


- Panel Sizes 1, 1.5, 2.0 or 3.0mm
- 2.8 or 6.3mm Tabs
- 10A, 250V a.c.
 (15A, 250V a.c. UL & CSA)





- Panel Sizes 1, 1.5, 2.0 or 3.0mm
- PC Spills
- 10A, 250V a.c.
 (15A, 250V a.c. UL & CSA)



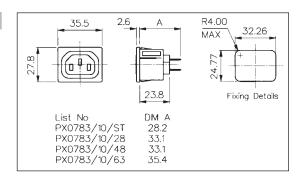
Specification	PX0695/Panel/Term/Col	PX0695/Panel/PC/Col	
Fixing:	Snap fit, /10 (1mm), /15 (1.5mm), /20 (2mm), /30 (3mm)	Snap fit, /10 (1mm), /15 (1.5mm), /20 (2mm), /30 (3mm)	
Terminations:	/28 (2.8mm solder), /63 (6.3mm tab)	P.C. Spills	
Colours:	/WH (White), /GY (Grey)	/WH (White), /GY (Grey)	
Max. Rating:	10A, 250V a.c. (UL & CSA 15A, 250V a.c.)	10A, 250V a.c. (UL & CSA 15A, 250V a.c.)	
Contact Resistance:	$<$ 10m Ω	<10mΩ	
Insulation Resistance:	$>$ 10 4 M Ω	>10 ⁴ MΩ	
A.C. Breakdown:	Pole-Pole 7kV. Poles-Panel 9kV	Pole-Pole 4kV. Poles-Panel 9kV	
Operating Temp. Range:	-40°C to +70°C	-40°C to +70°C	
Mouldings:	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0	
Contacts:	Brass, Tin Plated	Brass, Tin Plated	
Approvals:	<u>&</u> (1) S 9. (1)	(1) (2) (3)	
Accessories / Notes:	P.No. 12075 (See Page 67)		
Mates with:	PX0685, PX0686, PX0686/SE, PZ0500. PZ0600	PX0685, PX0686, PX0686/SE, PZ0500, PZ0600	



EN60 320-2-2 Standard Sheet F Class I Shuttered

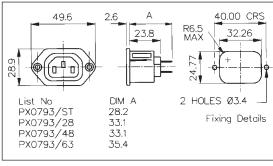


- Shuttered
- Panel Sizes 1, 1.5, 2.0 or 3.0mm
- 2.8, 4.8 or 6.3mm Tabs
- 10A, 250V a.c.
 (15A, 250V a.c. UL & CSA)



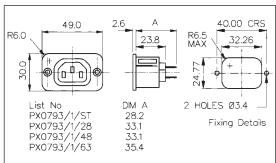


- Shuttered
- **2.8, 4.8 or 6.3mm Tabs**
- 10A, 250V a.c.
 (15A, 250V a.c. UL & CSA)





- Shuttered
- Rectangular Flange Mount Outlet
- 2.8, 4.8 or 6.3mm Tabs
- 10A, 250V a.c.
 (15A, 250V a.c. UL & CSA)



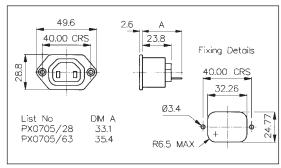
Specification	PX0783/Panel/Term/Col	PX0793/Term/Col	PX0793/1/Term/Col
Fixing:	Snap fit, /10 (1mm), /15 (1.5mm), /20 (2mm), /30 (3mm)	Flange	Rectangular Flange
Terminations:	/28 (2.8mm solder), /48 (4.8mm ta /63 (6.3mm tab), /ST (solder)	/28 (2.8mm solder), /48 (4.8mm tab) /63 (6.3mm tab), /ST (solder)	/28 (2.8mm solder), /48 (4.8mm tab) /63 (6.3mm tab), /ST (solder)
Colours:	/WH (White), /GY (Grey)	/WH (White), /GY (Grey)	/WH (White), /GY (Grey)
Max. Rating:	10A, 250V a.c. (UL & CSA 15A, 250V a.c.)	10A, 250V a.c. (UL & CSA 15A, 250V a.c.)	10A, 250V a.c. (UL & CSA 15A, 250V a.c.)
Contact Resistance:	$<$ 10m Ω	$<$ 10m Ω	$<10m\Omega$
Insulation Resistance:	$>$ 10 4 M Ω	$>$ 10 4 M Ω	$> 10^4 M\Omega$
A.C. Breakdown:	Pole-Pole 7kV. Poles-Panel 9kV	Pole-Pole 7kV. Poles-Panel 9kV	Pole-Pole 7kV. Poles-Panel 9kV
Operating Temp. Range:	-40°C to +70°C	-40°C to +70°C	_40°C to +70°C
Mouldings:	Nylon, Flammability Rating UL 94V-0	Nylon, Flammability Rating UL 94V-0	Nylon, Flammability Rating UL 94V-0
Contacts:	Brass, Tin Plated	Brass, Tin Plated	Brass, Tin Plated
Approvals:	(Approvals d not cover 4.8 tab option)		(Approvals covers /ST version only)
Accessories / Notes:	P.No. 12075 (See Page 67)	P.No. 12075, KT0006 (See Pages 66-67)	P.No. 12075, KT0006 (See Pages 66-67)
Mates with:	PX0685, PX0686, PX0686/SE, PZ0500, PZ0600	PX0685, PX0686, PX0686/SE, PZ0500, PZ0600	PX0685, PX0686, PX0686/SE, PZ0500, PZ0600



EN60 320-2-2 Standard Sheet H Class II

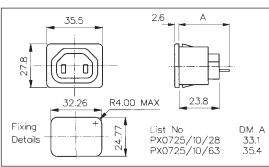


- Two Pin Class II (No Earth Pin)
- **2.8, 4.8 or 6.3mm Tabs**
- 10A, 250V a.c.
 (15A, 250V a.c. UL & CSA)





- Two Pin Class II (No Earth Pin)
- Panel Sizes 1, 1.5, 2.0 or 3.0mm
- 2.8, 4.8 or 6.3mm Tabs
- 10A, 250V a.c.
 (15A, 250V a.c. UL & CSA)



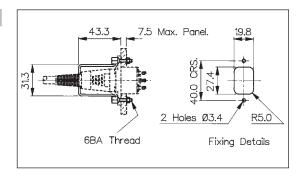
Specification	PX0705/Term/Col	PX0725/Panel/Term/Col
Fixing(Panel):	Flange	Snap fit, /10 (1mm), /15 (1.5mm), /20 (2mm), /30 (3mm)
Terminations:	/28 (2.8mm solder), /48 (4.8mm tab) /63 (6.3mm tab)	/28 (2.8mm solder), /48 (4.8mm tab) /63 (6.3mm tab)
Colours:	/WH (White), /GY (Grey)	/WH (White), /GY (Grey)
Max. Rating:	10A, 250V a.c. (UL & CSA 15A, 250V a.c.)	10A, 250V a.c. (UL & CSA 15A, 250V a.c.)
Contact Resistance:	$<$ 10m Ω	<10mΩ
Insulation Resistance:	$> 10^4 \mathrm{M}\Omega$	>10 ⁴ MΩ
A.C. Breakdown:	Pole-Pole 4kV. Poles-Panel 9kV	Pole-Pole 7kV. Poles-Panel 9kV
Operating Temp. Range:	-40°C to +70°C	_40°C to +70°C
Mouldings:	Nylon, Flammability Rating UL94V-0	Nylon, Flammability Rating UL94V-0
Contacts:	Brass, Tin Plated	Brass, Tin Plated
Approvals:	(Approvals do not cover 4.8mm	(Approvals do not cover 4.8mm
	tab option)	tab option)
Accessories / Notes:	P.No. 12075 (See Page 67)	P.No. 12075 (See Page 67)



Accessories

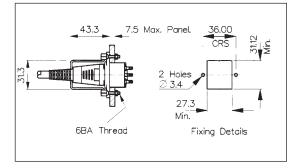


- Prevents Accidental Removal
- Fits PX0587 with flange inlets



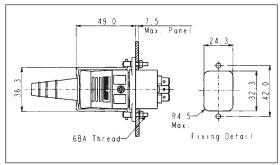


- Prevents Accidental Removal
- Fits PX0587 with fused inlets





- Prevents Accidental Removal
- Suitable for use with PX0599 and PX0596 panel inlet

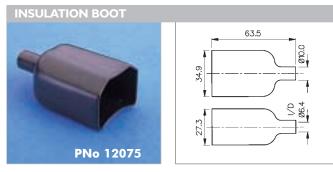


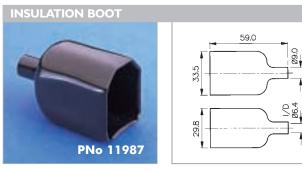
Specification	KT0006	KT0009	KT0012
	Retaining Clip to prevent accidental removal of connector.	Retaining Clip to prevent accidental removal of connector.	Retaining Clip to prevent accidental removal of connector.
	Fits: PX0580, PX0590, PX0675, PX0690, PX0793, PX0739/1	Fits: PF0001, PF0001/PC, PF0002, PF0030	Fits: PX0596
Material:	Clip: Stainless Steel, other parts Brass, Nickel Plated	Clip: Stainless Steel, other parts Brass, Nickel Plated	Clip: Stainless Steel, other parts Brass, Nickel Plated

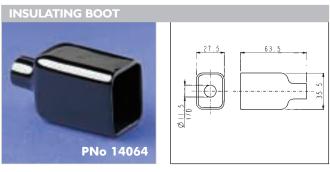


Accessories









- PVC Insulation Boots
- Protects Rear of Connector
- Protects Against Accidental Electric Shock

Specification	P.No. 11328	P.No. 11987	P.No. 12075	P.No. 14064
	Insulation boot for PX0575, PX0579, PX0580, PX0590, PX0595	Insulation boot for PF range (except /PC versions and PF0030, PF0033)	Insulation boot for PX0675, PX0695, PX0783, PX0793 PX0793/1 (except /PC versions)	Insulation boot for PX0596, PX0598
Operating Temp. Range:	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C	-20°C to +60°C
Max. Working Voltage:	250V a.c.	250V a.c.	250V a.c.	250V a.c.
Flash Tested:	2kV a.c.	2kV a.c.	2kV a.c.	2kV a.c.
Material:	P.V.C.	P.V.C.	P.V.C.	P.V.C.
Flammability Rating:	UL94V-0	UL94V-0	UL94V-0	UL94V-0

IEC 60320 Power Inlets & Connectors (1.1)







10-15A/65°C 10-15A/120°C 16-20A/65°C

The IEC 60320 power inlet is the most commonly used means of connecting a detachable cordset to electrical or electronic equipment that consumes up to 16A at 220-240V (20A/120V). (European voltages and frequencies are typically 230VAC, 50Hz). IEC 60320 inlets are used in Europe, North America, and throughout the industrialized world. An IEC 60320 power inlet allows the

manufacturer to attach the correct international cordset just before shipment (see Sec. 6000 for cordsets).

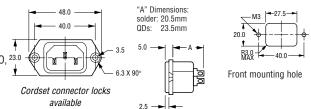
Modules that combine an IEC 60320 power inlet with other functions and accessory power connections based on IEC 60320 are shown on the following pages. All items normally available from stock. No minimum order. See Sec. 6000 for cordsets with molded on connectors.

IEC 60320 inlets & connector —10A international (15A North America)



C14 Screw mount, 65°C

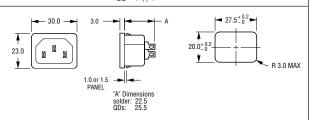
8301211: with solder tabs 8301213: with 6.3 mm solder/QDs Screw mount. Tin-plated brass contacts: UL 94V-0 polyamide thermoplastic insulator. Approvals: VDE, DEMKO, IMQ, KEMA, NEMKO, 23.0 OVE, SEMKO, FIMKO, (10A/250VAC); UL recog. & CSA (15A/250VAC).





C14 Snap-in mount, 65°C

8301311: 1.5mm panel, 3.5mm solder tabs 8301312: 1.5mm panel, 6.3mm sold./QDs **83013111:** 1.0mm panel, 3.5mm solder tabs 83013121: 1.0mm panel, 6.3mm sold./QDs Push-in mount. Tin-plated brass contacts; UL 94V-0 polyamide thermoplastic insulator. Approvals: VDE, DEMKO, IMQ, KEMA. NEMKO. OVE, SEMKO, SEV, FIMKO (10A/250VAC); UL recog. & CSA (15A/250VAC).

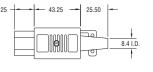




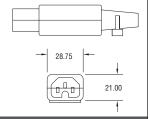
C15 Cable-mount, 120°C

83012700: Hot rewirable IEC 60320 power cord connector for use at 120°C. Mates with both 10A/65°C (above) and 10A/120°C standard C16 inlets (not shown). Screw-type connections. Nickel-plated brass contacts; Nylon 6 Grilon A28V0 insulator.

Approvals: VDE (10A/250VAC), CSA cert. & UL recog. (15A/250VAC) Assembly services available.



Max. cable size: 8.4mm O.D. (Removing bend relief may affect approvals)



IEC 60320 inlet & connector —16A international (20A North Americal

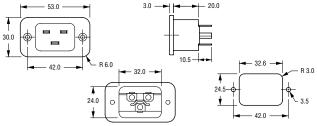


C20 Screw-mount inlet, 65°C

83030400: IEC 60320 C20 power inlet (65°C) for detachable connections at higher ratings. UL 94V-0 PBT with glass filter. Copper alloy 30.0 contacts. 6.3mm QD tabs.

Approvals: UL recog. & CSA cert. (20/250VAC); VDE, SEV, DEMKO, SEMKO, NEMKO, FIMKO (16A/250VAC).

Accessory outlet and receptacle also available—see following pages.

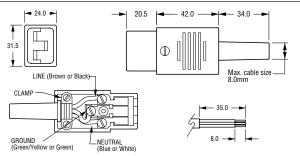




C19 Cable-mount connector; 65°C

83011380: Rewirable IEC 60320 (C19) power connector for detachable connections at higher ratings. UL 94V-0 nylon insulator. Nickel-plated brass contacts. Screw-type connections. Made-to-order cable assembly services available. UR, CSA.

Approvals: UL recog. & CSA cert. (21A/250VAC) NOTE: 83011430 (not pictured here) is a compact version of part above; UL, CSA, & VDE approvals.



Dimensions are in mm

DESIGNING FOR EXPORT? WE MAKE IT EASY! See also EEM sections 4050, 4300, 5600, & 6000





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International Power Entry Modules



2100 **65°C**

Power modules aid in configuring a product with the correct cordset, voltage, and fusing for international or North American markets. They can also save on space, assembly costs, and components management because several functions are combined in one unit. A power module can also make a product

safer. It is impossible to access the fuseholder or voltage selector while the power entry connector is engaged. The equipment user must then remove the power cord before changing a fuse or adjusting a voltage selector. See EEM Sec. 4300 for fuses. All items normally available from stock. No minimum order.



C14 Screw-mount, 65°C

Snap-in mount models and twin fused models are also available

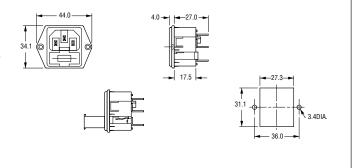
2-Function Module

83110111: (shown at left): screw mount; solder tabs

83110131: screw-mount: 6.3mm QDs Combines 1) IEC 60320 inlet 2) carrier for 5x20mm fuse; order fuse separately. Nickel-plated brass contacts; UL 94V-0 polyamide-type thermoplastic insulator.

Approvals: VDE, SEMKO, UL recog., CSA cert., at 10A/250VAC

83110170: *twin fused* screw mount: UL, CSA cert., & VDE at 10A/250VAC **83110180:** *twin fused* push-in mount: UL, CSA cert., & VDE at 10A/250VAC



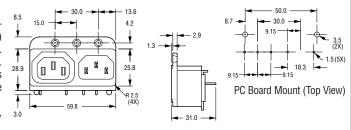


Screw-mount/PC Board mount, 65°C

2-Function Module

83511400: Printed circuit-board mounting power entry module combines: 1) IEC 60320 inlet; 2) accessory outlet. Connections made by solder pins. Screw mount. Nickel-plated brass contacts; UL 94V-0 polyamide-type thermoplastic insulator.

Approvals: UL recog., at 10A/250VAC, CSA cert. at 15/250VAC





Screw-mount, 65°C

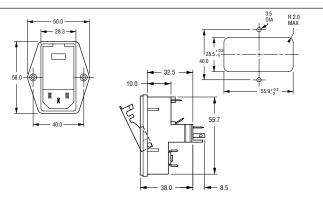
3-Function Module

83110011: Power entry module combines: 1) IEC 60320 inlet; 2) fusing for international 5×20 mm or North American 1/4" x 1/4" fuse; 3) 4-position voltage selector (100, 120, 220 & 240VAC). Connections made via solder tabs. Screw mount. Nickel-plated brass contacts; UL 94V-0 polyamide-type thermoplastic insulator.

Approvals: UL recog., CSA cert. at 6A/250VAC; VDE at 10A/250VAC

Order fuse carrier separately:

83110050: for int'l. 5x20mm fuse 83110040: for N.A. $\frac{1}{4}$ x $\frac{1}{4}$ fuse



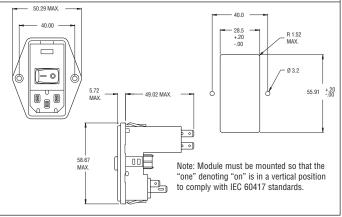


Screw-mount

3-Function Module

83543050: Panel-mount power entry module combines: 1) IEC 60320 inlet; 2) Fuse carrier for int'l. 5 x 20mm fuse or North American ¼" x 1¼" fuse; 3) double-pole off/on rocker switch. Connections made 4.8mm solder/QDs. Screw mount. Various copper alloy contacts; body is UL 94V-0 PBT.

Approvals: UL recog., CSA cert. at 10A/250VAC; VDE at 10A/250VAC



Dimensions are in mm

DESIGNING FOR EXPORT? WE MAKE IT EASY! See also EEM sections 4050, 4300, 5600, & 6000





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R 3.0

2100 **CONNECTOR & SOCKETS**

2003-2004 EEM

International Power Entry Modules, continued Normally available from stock • No minimum order



C14 Screw-mount, 65°C Block style filters also available

2-Function Module

83510312: 1A 83510352: 3A 83510412: 6A 83510442: 10A

Power entry module combines: 1) IEC 60320 inlet; 2) RFI filter. Connections made by 6.3mm solder/QDs.

Approvals: UL recog., CSA cert., VDE

52.1 28.5+0.5 40.0±0.02 21.6+0.3 - 40.0±0.13 3.3 53.3 38.6 49.5 0 0 0 **—** 3.1

INSERTION LOSS DATA FOR 2 FUNCTION MODULE ABOVE

	Cur. Rat. (115/250	C1	C2			Min. Common Mode Insertion Loss (L-G) (dB in 50Ω system) Frequency—MHz			Min. Differential Mode Insertion Loss (L-I (dB in 50Ω system) Frequency—MHz											
Part Number	VAC)	Capacitor	Capacitors	Inductor	.05	.10	.15	.50	1.0	5.0	10	30	.05	.10	.15	.50	1.0	5.0	10	30
83510312	1A	0.033 μF (X2)	2 X 2200 pF (Y)	2 X 5 mH	18	25	28	40	45	45	45	45		0	2	10	20	40	42	40
83510352	3A	0.033 μF (X2)	2 X 2200 pF (Y)	2 X 1.8 mH	10	15	22	30	35	45	45	45		0	2	5	14	38	40	40
83510412	6A	0.033 μF (X2)	2 X 2200 pF (Y)	2 X 0.6 mH	4	8	12	20	25	40	45	45		0	2	5	10	35	38	40
83510442	10A	0.033 μF (X2)	2 X 2200 pF (Y)	2 X 0.18 mH	0	2	4	10	15	30	38	45		0	2	5	10	25	35	40



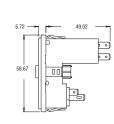
Snap-in mount, no filter

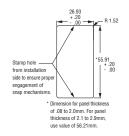
3-Function Module

83543000: Power entry module combines: 1) IEC 60320 inlet; 2) Fuse carrier for int'l. 5 x 20mm fuse or North American 1/4" x 11/4" fuse; 3) doublepole off/on rocker switch. Snap-in mounting for panel thickness of 0.8 to 2.0mm. Connections made via 4.8 mm

Approvals: UL recog. and CSA certified—10A/250VAC; VDE—10A/250VAC









Snap-in mount, no filter

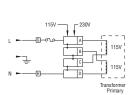
Note: Voltage selector is not designed to be switched while power is applied; selection must be made before connecting the unit to the power mains.

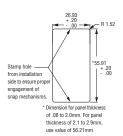
3-Function Module

83543020: Power entry module combines: 1) IEC 60320 inlet; 2) Fuse carrier for int'l. 5 x 20mm fuse or North American 1/4" x 11/4" fuse; 3) and 2position voltage selector: 115VAC & 230 VAC Push-in mounting for panel thickness of 0.8 to 2.0mm. Connections are made via 4.8mm QDs. Order fuses separately (see Section 4300).

Approvals: VDE at 10A/250, UL recog., CSA cert. at 10A/250VAC









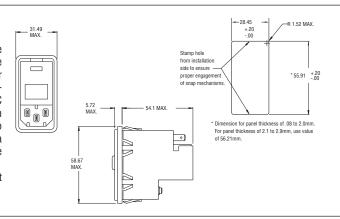
Snap-in mount, with filter

Note: Voltage selector is not designed to be switched while power is applied; selection must he made before connecting the unit to the power mains.

4-Function Module

83544010: Power entry module combines: 1) IEC 60320 inlet; 2) Fuse carrier for int'l. 5 x 20mm fuse or North American 1/4" x 11/4" fuse; 3) 2-position voltage selector: 115VAC or 230VAC 4) 10A RFI/EMI filter with shield; Push-in mounting for panel thickness of 0.8 to 2.0mm. Connections are made via 4.8mm QDs. Order fuses separately (see Section 4300).

Approvals: VDE, UL recog., CSA cert. at 10A/250VAC



Dimensions are in mm

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International Power Entry Modules, continued Normally available from stock • No minimum order



C14 Screw-mount

5-Function Module

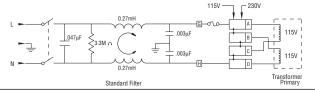
83545000: Power entry module combines: 1) IEC 60320 inlet; 2) Fuse carrier for 5x20mm or North American 1/4" x 11/4" fuse; 3) double-pole on/off rocker switch; 4) 2-position voltage selector :115VAC & 230VAC; 5) 10A RFI/EMI filter with shield; Screw-mount. Voltage selector, filter, and connections are internally wired; make connections via 4.8mm

Approvals: UL recog. & VDE at 10A/250VAC; CSA cert. at 10A/250VAC

SPECIFICATIONS: Body: UL 94V-0 PBT

L to G @ 120VAC, 60Hz: 0.25mA Max. leakage current: L to G @ 250VAC, 50Hz: 0.50mA Dielectric Strength (one minute): L to G: 1500VAC

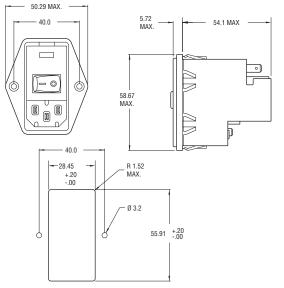
Operating Frequency: 50-60Hz Rating: 120/250VAC, -10°C to 40°C



L to L: 1450VDC

Filter Performance:

Minimum insertion loss		Frequency—MHz							
in dB (50 ohm system)	.10	.15	.50	1.0	3.0	5.0	10	30	
Common mode, L-G Differential mode, L-L	3 2	5 4	10 12		23 22		35 55	27 45	



5-Function Medical Modules—with low leakage RFI filter These power entry modules combine the fea-

Filter Performance:

Minimum insertion loss		Frequency—MHz							
in dB (50 ohm system)	.10	.15	.50	1.0	3.0	5.0	10	30	
Common mode, L-G	3	5	8	10	12	11	11	10	
Differential mode, L-L	2	4	12	16	26	33	40	32	



C14 Screw-mount

See model 83545000 above for dimensional drawings

tures of part 83545000 shown above, but utilize a low-leakage filter rated at 10A for use in medical applications. Two models are available to accommodate the different

fusing requirements for international and North American medical applications:

83545020: For medical applications requiring two 5x20mm fuses (to fuse both line and neutral where the connections are non-polarized).

Approvals: VDE at 10A/250VAC

83545030: For UR & CSA 120/250VAC medical applications which requires the use of only one 1/4" x 11/4" fuse.

Approvals: UL recog., CSA cert. at 10A/120/250VAC

VDE at 10A/120-250VAC

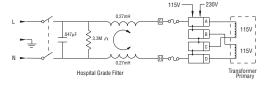
SPECIFICATIONS: Body: UL 94V-0 PBT Max. leakage current:

Line to ground @ 120VAC, 60Hz: 2.0 µA Line to ground @ 250VAC, 50Hz: 5.0 µA Line to ground: 1500 VAC

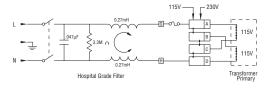
Dielectic Strength (one minute): Line to line: 1450 VDC Operating Frequency: 50-60Hz

Rating: 120/250VAC, -10°C to 40°C

83545020 schematics



83545030 schematics



Dimensions are in mm

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Accessory Power Outlets & Plug Connectors

Accessory power connections are based on IEC 60320. For multiple accessory connections, see sec. 4050 Accessory Power Strips and Jumper Cordsets.

All items normally available from stock. No minimum order. We offer in-house, made-to-order cord assembly services; contact us for a quotation.

Normally available from stock • No minimum order

2100

Accessory Power Outlets



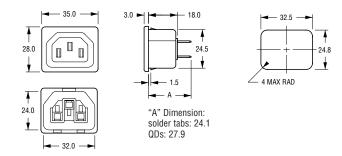
Sheet F Snap-in mount outlet, 65°C

8301611: with solder tabs **8301612:** with 6.3 solder/QDs

Accessory power outlet in two contact styles. Push-in mounting for 1.5mm panel. Insulators molded from UL 94V-0 polyamide-type thermoplastic. 65°C. Nickel-plated brass contacts.

Approvals: VDE, IMO, SEV, FIMKO, OVE, SEMKO, NEMKO, KEMA at 10A/250VAC; UL recognized, CSA certified at 15A/250VAC.

Screw mount models also available.





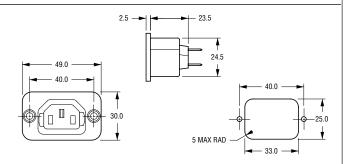
Screw-mount outlet

Note: line & neutral are shuttered

83011220: with 6.3 solder/QDs

Accessory power outlet. Special safety feature: line & neutral contacts are shuttered to prevent contact with object other than mating plug. Insulators molded from UL 94V-0 polyamide-type thermoplastic. 65°C. Tin-plated brass contacts.

Approvals: VDE, cURus, at 10A/250VAC. Push-in mount models also available.



Accessory Power Plug Connectors

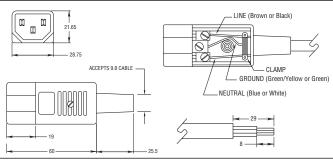
Made-to-order Assembly Services Available



Cable-mount-straight entry

83011060: Cable-mount accessory power connector. Insulator molded from UL 94V-0 Noryl VO 150B. 65°C. Nickel-plated brass contacts. Screwtype connections.

Approvals: UL recog. and CSA at 15/250VAC, VDE at 10/250VAC.

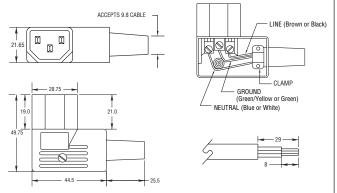




Cable-mount-angled entry

83011070: Angled entry cable-mount accessory power connector. Insulator molded from UL94V-0 Noryl VO 150B. 65°C. Nickel-plated brass contacts. Screw-type connections.

Approvals: UL recog. and CSA at 15/250VAC, VDE at 10/250VAC.



Dimensions are in mm

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P. O. Box 115, Oskaloosa, IA 52577 Phone: (641) 673-5000 Fax: (641) 673-5100 E-mail: info@interpower.com

International Socket Strips

All items normally available from stock.

No minimum order.

For power distribution systems based on specific socket patterns. See "Universal" Power Distribution System in Section 4050 if you are

designing a product for both international and North American markets.

Continental Europe (Schuko)*



Continental European socket strip with 5, 9 or 13 CEE 7 sockets (see below). Cable is 2.5m long, terminated with CEE 7/7 plug. Metal casing. Color: Orange. Current Rating: 16A/250VAC. Approval: VDE.

2003-2004 EEM

Part No.	No. of skts.	Dimensions (mm)
85023050 85023090	5 9	52W x 38H x 566L* 52W x 38H x 966L*
85023130	13	52W x 38H x 1365L*

^{*}length includes mounting flange



With lighted rocker switch

Continental European socket strip with rocker switch and 4, 8 or 12 CEE 7 sockets (see below). Cable is 2.5m long, terminated with CEE 7/7 plug. Metal casing. Color: Orange. Current Rating: 16A/250VAC. Approval: VDE.

Part No.	No. of skts.	Dimensions (mm)
85003040	4	52W x 38H x 546L*
85003080	8	52W x 38H x 945L*
85003120	12	52W x 38H x 1345L*

^{*} length includes mounting flanges



With circuit breaker

Continental European socket strip with circuit breaker and 5 CEE 7 sockets. Cable is 2.5m long, terminated with CEE 7/7 plug. Metal casing. Color: White. Current Rating: 16A/250VAC. Approval: VDE.

Part No.	No. of skts.	Dimensions (mm)
85013041	4	44W x 45H x 483L*

^{*}length includes mounting flanges

85032052: French/Belgian socket strip, (with male grounding pin in socket) also available. Five sockets. Cable is 2.5m long, terminated with CEE 7/7 plug. Metal casing. Color: White. Current Rating: 16A/250VAC. Approval: (none)

* Continental European CEE 7 sockets are used in Germany, Austria, Finland, the Netherlands, Norway, Sweden and Russia.

Australia/New Zealand



Australian socket strip with six AS 3112 sockets and circuit breaker. Used in Australia, New Zealand, Fiji, Papua New Guinea. Cable is 1m long, terminated with an Australian plug. Current rating: 10A/250VAC. Plastic casing. Color: White. Approval: Department of Fair Trading.

	No. of	
Part No.	skts. Dimensions (mm)	
85010050	6 47 7W x 26 8H x 315I	

United Kingdom



British socket strip with five BS 1363 sockets and fuse. Used in the U.K. & Ireland. Cable is 2.8m long, terminated with a BS 1363 plug. Current rating: 13A/250VAC. Metal casing. Color: tan.

 Part No.
 No. of skts.
 Dimensions (mm)

 85031053
 5
 55.3W x 46.3H x 420L*

* length includes mounting flanges

Switzerland



Swiss socket strip with five SEV 1011 sockets. Cable is 2.5m long, terminated with a SEV 1011 plug. Current rating: 10A/250VAC. Metal casing. Color: gray.

 Part No.
 # of skts.
 Dimensions (mm)

 85030051
 5
 51W x 39.5H x 565L*

* length includes mounting flanges

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