

# APOLLO PLUS & APOLLO SERIES

## APOLLO PLUS 625C - 350C - 363C



### TECHNICAL SPECIFICATIONS

#### FEATURES OF APOLLO PLUS SERIES:

- Suitable to control incandescent lamps, iron core transformers for low voltage incandescent lamps, resistive and inductive loads.
- Hard firing to ensure proper triggering.
- High quality output filters with rise time up to 200µs.
- Output led monitors.
- Heavy duty fuse holders for **S** models and circuit breakers for **C** models.
- DMX 512 in/out (XLR 5pin connectors).
- Indication of DMX "Fault" status.
- Programmable start address.
- DMX signal buffer.
- Termination switch.
- Holding of last DMX value.
- Programmable behaviour on DMX signal interruption.
- Five- digit numeric display.
- Four- button keypad, two of which can be programmed by the user as function keys.
- Menu driven software.
- Password for settings protection.
- Three laws selected by the user (Linear, Halogen and Fluorescent).
- Selectable switched output (non dim).
- Programmable preheat level per channel.
- Programmable percentage of output voltage per channel.
- Programmable soft turn-on per channel.
- Analogue control inputs 0/+10V (9 pin D-sub male connector).
- 20VDC output for supplying external analogue control desk.
- Models **C** are supplied with channel sliders + master.
- Twenty four programmable memories.
- Twelve programmable chasers.
- Twelve factory-set chasers.
- Memory or Chaser assignment of sliders (Models **C** only).
- Watchdog timer.
- Silent operation DC speed controlled, fan assisted convection cooling.
- Overheating detection.
- Auto power handling at high temperature condition.
- Power Failure and Power Off modes on low power supply voltage.
- Disabled output on power supply overvoltage.
- Heavy duty handle.
- Truss mounting.
- Rack mounting.
- Wall mounting for Apollo Plus models 610-616 only.
- Start up diagnostic tests: Microcontrollers selftest, Memories test, Fan test.
- Diagnostic tests of sliders and pushbuttons.
- 60-step Loop Function.



REAR SIDE OF APOLLO PLUS

PORTABLE DIMMER PACKS	APOLLO PLUS		
	625C	350C	363C
CHANNELS	6	3	3
CHANNEL CAPACITY	5750W	11500W	14490W
MAXIMUM CURRENT / CHANNEL	25A	50A	63A
LOAD TYPES	*Incandescent lamps *Iron core transformer for low-voltage incandescent lamps *Resistive & inductive loads		
HARD-FIRED TRIACS	YES	-	-
OUTPUT FILTER	100µs (optional 200µs)	200µs	200µs
OUTPUT LED MONITORS	YES	YES	YES
HARD-FIRED THYRISTORS	-	YES	YES
CIRCUIT BREAKERS	YES	YES	YES
ANALOGUE INPUTS	0/ +10VDC		
20VDC OUTPUT FOR EXTERNAL CONTROL DESK	YES	YES	YES
BUILD-IN SLIDERS+ MASTER	YES	YES	YES
DMX 512 INPUT	YES	YES	YES
INDICATION OF DMX " FAULT" STATUS	YES	YES	YES
PROGRAMMABLE START ADDRESS	YES	YES	YES
DMX-512 SIGNAL BUFFER	YES	YES	YES
TERMINATION SWITCH	YES	YES	YES
HOLDING OF LAST DMX VALUE	YES	YES	YES
PROGRAMMABLE BEHAVIOR ON DMX SIGNAL INTERRUPTION	YES	YES	YES
5-DIGIT NUMERIC DISPLAY	YES	YES	YES
4-BUTTON KEYPAD, 2 OF WHICH CAN BE PROGRAMMED BY THE USER AS FUNCTION KEYS	YES	YES	YES
MENU DRIVEN SOFTWARE	YES	YES	YES
PASSWORD FOR SETTINGS PROTECTION	YES	YES	YES
LAWS	LINEAR, HALOGEN, AND FLUORESCENT		
SELECTABLE SWITCHED OUTPUT	YES	YES	YES
PROGRAMMABLE PREHEAT LEVEL PER CHANNEL	YES	YES	YES
PROGRAMMABLE PERCENTAGE OF OUTPUT VOLTAGE PER CHANNEL	YES	YES	YES
PROGRAMMABLE SOFT TURN-ON PER CHANNEL	YES	YES	YES
CHANNEL LEVEL CONTROL	SLIDERS	SLIDERS	SLIDERS
24 PROGRAMMABLE MEMORIES	YES	YES	YES
12 PROGRAMMABLE CHASERS	YES	YES	YES
12 FACTORY- SET CHASERS	YES	YES	YES
60- STEP LOOP FUNCTION	YES	YES	YES
MEMORY OR CHASE ASSIGNMENT OF SLIDERS	YES	YES	YES
DIAGNOSTIC TESTS	YES	YES	YES
WATCHDOG TIMER	YES	YES	YES
DC SPEED CONTROLLED, FAN ASSISTED CONVECTION COOLING	YES	YES	YES
HIGH TEMPERATURE DETECTION	YES	YES	YES
AUTO POWER HANDLING AT HIGH TEMPERATURE CONDITION	YES	YES	YES
POWER FAILURE AND POWER OFF MODES ON LOW POWER SUPPLY VOLTAGE	YES	YES	YES
DISABLED OUTPUT ON POWER SUPPLY OVERVOLTAGE	YES	YES	YES
RACK MOUNTING	YES	YES	YES
WALL MOUNTING	-	-	-
TRUSS MOUNTING	YES	YES	YES
HEAVY DUTY HANDLE	YES	YES	YES
230V 400V-3/N/PE/50Hz,3 PHASE STAR CONNECTION.	YES	YES	YES
230V 3/PE/50Hz,3 PHASE DELTA CONNECTION	Optional	Optional	Optional
DIMENSIONS (WxHxD) IN MM	432 x 222 x 400		

\*Delta version dimmers available upon request.

## APOLLO PLUS 615 - 616

**A**POLLO and APOLLO PLUS are heavy duty, durable, portable, compact dimmer packs that can satisfy even the highest user requirements! APOLLO and APOLLO PLUS are the most intelligent and technologically advanced digital dimmers that can be used in all cases, such as in stages, touring, theaters, studios etc. The complete range of APOLLO and APOLLO PLUS series consists of over 500 versions. Both series of dimmer packs are of modern design and high performance. The housing of APOLLO and APOLLO PLUS is made of aluminium

with 3mm thickness, resistible to every strain and crash that could occur during transportation or installation. All control sliders and dimmer outputs are located at the front side of APOLLO and APOLLO PLUS to allow easy access and operation. These do not extend from the aluminium cover, for further protection. The robust handle on the right side of APOLLO and APOLLO PLUS allows easy carrying and truss mounting. APOLLO and APOLLO PLUS can also be mounted on wall or rack and can be operated horizontally or vertically.

### TECHNICAL SPECIFICATIONS

PORTABLE DIMMER PACKS	APOLLO PLUS		
	615C	615S 616S	616C
CHANNELS	6	6	6
CHANNEL CAPACITY	3450W	3680W	3680W
MAXIMUM CURRENT / CHANNEL	15A	16A	16A
LOAD TYPES	*Incandescent lamps - Iron core transformer for low-voltage incandescent lamps - Resistive & inductive loads		
HARD FIRED TRIACS	YES	YES	YES
OUTPUT FILTER	50µs (optional 100µs or 200µs)		
OUTPUT LED MONITORS	YES	YES	YES
HEAVY DUTY FUSE HOLDERS	YES	YES	-
CIRCUIT BREAKERS	-	-	YES
ANALOGUE INPUTS	0/+10VDC		
20VDC OUTPUT FOR EXTERNAL CONTROL DESK	YES	YES	YES
BUILD-IN SLIDERS+MASTER	-	-	YES
DMX 512 INPUT	YES	YES	YES
INDICATION OF DMX "FAULT" STATUS	YES	YES	YES
PROGRAMMABLE START ADDRESS	YES	YES	YES
DMX-512 SIGNAL BUFFER	YES	YES	YES
TERMINATION SWITCH	YES	YES	YES
HOLDING OF LAST DMX VALUE	YES	YES	YES
PROGRAMMABLE BEHAVIOR ON DMX SIGNAL INTERRUPTION	YES	YES	YES
5- DIGIT NUMERIC DISPLAY	YES	YES	YES
4-BUTTON KEYPAD, 2 OF WHICH CAN BE PROGRAMMED BY THE USER AS FUNCTION KEYS	YES	YES	YES
MENU DRIVEN SOFTWARE	YES	YES	YES
PASSWORD FOR SETTINGS PROTECTION	YES	YES	YES
LAWS	LINEAR, HALOGEN, AND FLUORESCENT		
SELECTABLE SWITCHED OUTPUT	YES	YES	YES
PROGRAMMABLE PREHEAT LEVEL PER CHANNEL	YES	YES	YES
PROGRAMMABLE PERCENTAGE OF OUTPUT VOLTAGE PER CHANNEL	YES	YES	YES
PROGRAMMABLE SOFT TURN-ON PER CHANNEL	YES	YES	YES
CHANNEL LEVEL CONTROL	SLIDERS	DIGITAL SLIDERS	
24 PROGRAMMABLE MEMORIES	YES	YES	YES
12 PROGRAMMABLE CHASERS	YES	YES	YES
12 FACTORY- SET CHASERS	YES	YES	YES
60- STEP LOOP FUNCTION	YES	YES	YES
MEMORY OR CHASE ASSIGNMENT OF SLIDERS	-	-	YES
DIAGNOSTIC TESTS	YES	YES	YES
WATCHDOG TIMER	YES	YES	YES
DC SPEED CONTROLLED, FAN ASSISTED CONVECTION COOLING	YES	YES	YES
HIGH TEMPERATURE DETECTION	YES	YES	YES
AUTO POWER HANDLING AT HIGH TEMPERATURE CONDITION	YES	YES	YES
POWER FAILURE AND POWER OFF MODES AT LOW POWER SUPPLY VOLTAGE	YES	YES	YES
DISABLED OUTPUT ON POWER SUPPLY OVER-VOLTAGE	YES	YES	YES
RACK MOUNTING	YES	YES	YES
WALL MOUNTING	YES	YES	YES
TRUSS MOUNTING	YES	YES	YES
HEAVY DUTY HANDLE	YES	YES	YES
230/400V-3/N/PE/50Hz,3 PHASE STAR CONNECTION	YES	YES	YES
230V 3/PE/50Hz,3 PHASE DELTA CONNECTION	Optional	Optional	Optional
DIMENSIONS (WxHxD) IN MM	432 x 177 x 350		



APOLLO PLUS 616S CEE 05230



APOLLO PLUS 616C SCH 05130  
(Also available with DNS, SWS & CEE outlets)



APOLLO PLUS 616S FRS 05230  
(Also available with SCH outlet)



APOLLO PLUS 616C WLD 05230



APOLLO PLUS 616C SCP 05230  
(Also available with HARTING outlet)



APOLLO PLUS 615C GBS 05130



APOLLO PLUS 616C FRS 05130



APOLLO PLUS 616C HRT 05230

\*Delta version dimmers available upon request.

## APOLLO PLUS 716



### FEATURES OF APOLLO PLUS SERIES:

- Suitable to control incandescent lamps, iron core transformers for low voltage incandescent lamps, resistive and inductive loads.
- Hard firing to ensure proper triggering.
- High quality output filters with rise time up to 200µs.
- Output led monitors.
- Heavy duty fuse holders for **S** models and circuit breakers for **C** models.
- DMX 512 in/out (XLR 5pin connectors).
- Indication of DMX "Fault" status.
- Programmable start address.
- DMX signal buffer.
- Termination switch.
- Holding of last DMX value.
- Programmable behaviour on DMX signal interruption.
- Five- digit numeric display.
- Four- button keypad, two of which can be programmed by the user as function keys.
- Menu driven software.
- Password for settings protection.
- Three laws selected by the user (Linear, Halogen and Fluorescent).
- Selectable switched output (non dim).
- Programmable preheat level per channel.
- Programmable percentage of output voltage per channel.
- Programmable soft turn-on per channel.
- Analogue control inputs 0/+10V (9 pin D-sub male connector).
- 20VDC output for supplying external analogue control desk.
- Models **C** are supplied with channel sliders + master.
- Twenty four programmable memories.
- Twelve programmable chasers.
- Twelve factory-set chasers.
- Memory or Chaser assignment of sliders (Models **C** only).
- Watchdog timer.
- Silent operation DC speed controlled, fan assisted convection cooling.
- Overheating detection.
- Auto power handling at high temperature condition.
- Power Failure and Power Off modes on low power supply voltage.
- Disabled output on power supply overvoltage.
- Heavy duty handle.
- Truss mounting.
- Rack mounting.
- Wall mounting for Apollo Plus models 610-616 only.
- Start up diagnostic tests: Microcontrollers selftest, Memories test, Fan test.
- Diagnostic tests of sliders and pushbuttons.
- 60-step Loop Function.



REAR SIDE OF APOLLO PLUS

## TECHNICAL SPECIFICATIONS

PORTABLE DIMMER PACKS	APOLLO PLUS	
	716S	716C
CHANNELS	12	12
CHANNEL CAPACITY	3680W	3680W
MAXIMUM CURRENT / CHANNEL	16A	16A
LOAD TYPES	*Incandescent lamps *Iron core transformer for low-voltage incandescent lamps *Resistive & inductive loads	
HARD FIRED TRIACS	YES	YES
OUTPUT FILTER	50µs (optional 100µs)	
OUTPUT LED MONITORS	YES	YES
HEAVY DUTY FUSE HOLDERS	YES	-
CIRCUIT BREAKERS	-	YES
ANALOGUE INPUTS	0/ +10VDC	
20VDC OUTPUT FOR EXTERNAL CONTROL DESK	YES	YES
BUILD-IN SLIDERS+ MASTER	-	YES
DMX 512 INPUT	YES	YES
INDICATION OF DMX* FAULT* STATUS	YES	YES
PROGRAMMABLE START ADDRESS	YES	YES
DMX-512 SIGNAL BUFFER	YES	YES
TERMINATION SWITCH	YES	YES
HOLDING OF LAST DMX VALUE	YES	YES
PROGRAMMABLE BEHAVIOR ON DMX SIGNAL INTERRUPTION	YES	YES
5 -DIGIT NUMERIC DISPLAY	YES	YES
4-BUTTON KEYPAD, 2 OF WHICH CAN BE PROGRAMMED BY THE USER AS FUNCTION KEYS	YES	YES
MENU DRIVEN SOFTWARE	YES	YES
PASSWORD FOR SETTINGS PROTECTION	YES	YES
LAWS	LINEAR, HALOGEN, AND FLUORESCENT	
SELECTABLE SWITCHED OUTPUT	YES	YES
PROGRAMMABLE PREHEAT LEVEL PER CHANNEL	YES	YES
PROGRAMMABLE PERCENTAGE OF OUTPUT VOLTAGE PER CHANNEL	YES	YES
PROGRAMMABLE SOFT TURN-ON PER CHANNEL	YES	YES
CHANNEL LEVEL CONTROL	DIGITAL	SLIDERS
24 PROGRAMMABLE MEMORIES	YES	YES
12 PROGRAMMABLE CHASERS	YES	YES
12 FACTORY- SET CHASERS	YES	YES
60- STEP LOOP FUNCTION	YES	YES
MEMORY OR CHASE ASSIGNMENT OF SLIDERS	-	YES
DIAGNOSTIC TESTS	YES	YES
WATCHDOG TIMER	YES	YES
DC SPEED CONTROLLED, FAN ASSISTED CONVECTION COOLING	YES	YES
HIGH TEMPERATURE DETECTION	YES	YES
AUTO POWER HANDLING AT HIGH TEMPERATURE CONDITION	YES	YES
POWER FAILURE AND POWER OFF MODES AT LOW POWER SUPPLY VOLTAGE	YES	YES
DISABLED OUTPUT ON POWER SUPPLY OVERVOLTAGE	YES	YES
RACK MOUNTING	YES	YES
WALL MOUNTING	-	-
TRUSS MOUNTING	YES	YES
HEAVY DUTY HANDLE	YES	YES
230/400V-3/N/PE/50Hz,3 PHASE STAR CONNECTION	YES	YES
230V 3/PE/50Hz,3 PHASE DELTA CONNECTION	Optional	Optional
DIMENSIONS (WxHxD) IN MM	432 x 222 x 400	

\*Delta version dimmers available upon request.

## APOLLO 615 - 616



APOLLO 616S CEE



APOLLO 616C CEE 05130



APOLLO 616C SCH 05130



APOLLO 615S GBS 05230



APOLLO 616S SCH 05230  
APOLLO 616S FRS 05230

### FEATURES OF APOLLO SERIES:

- ▶ Suitable to control incandescent lamps, iron core transformers for low voltage incandescent lamps, resistive and inductive loads.
- ▶ Hard firing to ensure proper triggering.
- ▶ High quality output filters with rise time up to 100µs.
- ▶ Output led monitors.
- ▶ Heavy duty fuse holders for **S** models and circuit breakers for **C** models.
- ▶ DMX 512 in/out (XLR 5pin connectors).
- ▶ DMX "OK" and "Fault" led indicators.
- ▶ DMX signal buffer.
- ▶ Holding of last DMX value.
- ▶ Three rotary switches for selecting start address.
- ▶ Analogue control inputs 0/+10V (9 pin D-sub male connector).
- ▶ 20VDC output for supplying external analogue control desk.
- ▶ Models C are supplied with sliders + master.
- ▶ Four factory- set chasers with capability of selecting the speed and the master intensity level.
- ▶ Watchdog timer.
- ▶ Fan assisted convection cooling (activated by thermostat).
- ▶ Truss mounting.
- ▶ Heavy duty handle.
- ▶ Rack mounting accessories (supplied as extra at additional cost).
- ▶ Wall mounting accessories (supplied as extra at additional cost).



### TECHNICAL SPECIFICATIONS

PORTABLE DIMMER PACKS	APOLLO		
	615S	616S	616C 615C
CHANNELS	6	6	6
CHANNEL CAPACITY	3450W	3680W	3680W
MAXIMUM CURRENT / CHANNEL	15A	16A	16A
LOAD TYPES	*Incandescent lamps *Iron core transformer for low-voltage *Incandescent lamps *Resistive & inductive loads		
HARD FIRED TRIACS	YES	YES	YES
OUTPUT FILTER	50µs (optional 100µs)		
OUTPUT LED MONITORS	YES	YES	YES
HEAVY DUTY FUSE HOLDERS	YES	YES	-
CIRCUIT BREAKERS	-	-	YES
ANALOGUE INPUTS	0/+10VDC		
20VDC OUTPUT FOR EXTERNAL CONTROL DESK	YES	YES	YES
BUILD-IN SLIDERS+MASTER	-	-	YES
DMX 512 INPUT	YES	YES	YES
DMX "OK" & "FAULT" LED INDICATORS	YES	YES	YES
DMX-512 SIGNAL BUFFER	YES	YES	YES
HOLDING OF LAST DMX VALUE	YES	YES	YES
3 ROTARY SWITCHES FOR SELECTING START ADDRESS	YES	YES	YES
LAWS	LINEAR		
4 FACTORY- SET CHASERS	YES	YES	YES
CHANNEL LEVEL CONTROL	-	-	SLIDERS
FAN ASSISTED CONVECTION COOLING	YES	YES	YES
WATCHDOG TIMER	YES	YES	YES
RACK MOUNTING	Optional	Optional	Optional
WALL MOUNTING	Optional	Optional	Optional
TRUSS MOUNTING	YES	YES	YES
HEAVY DUTY HANDLE	YES	YES	YES
230/ 400V-3/N/PE/50Hz,3 PHASE STAR CON/TION	YES	YES	YES
230V 3/PE/50Hz,3 PHASE DELTA CONNECTION	Optional	Optional	Optional
DIMENSIONS (WxHxD) IN MM	432 x 177 x 300		

\*Delta version dimmers available upon request.

## APOLLO & APOLLO PLUS PANORAMA



APOLLO PLUS 625C CEE 20130



REAR SIDE OF APOLLO



APOLLO & APOLLO PLUS TRUSS MOUNTING WITH ONE HOOK CLAMP



CONTROL PANEL OF APOLLO PLUS



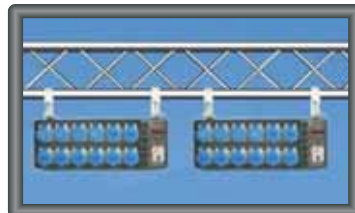
HANDLE OF APOLLO & APOLLO PLUS FOR EASY CARRYING



APOLLO PLUS 350C CEE 20130



APOLLO PLUS 616C HRT 20230



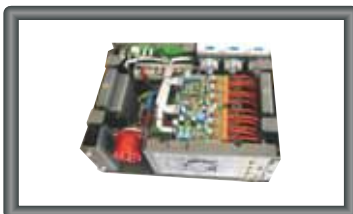
APOLLO PLUS TRUSS MOUNTING WITH TWO HOOK CLAMPS



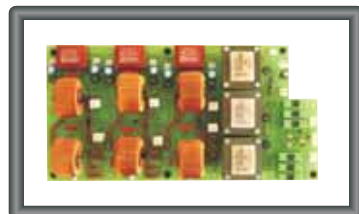
WALL MOUNTING



RACK MOUNTING



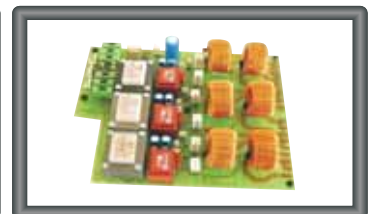
THE INTERIOR OF APOLLO PLUS



APOLLO POWER MODULE



THE INTERIOR OF APOLLO



APOLLO PLUS POWER MODULE

## ORDERING INFORMATION FOR APOLLO AND APOLLO PLUS SERIES PORTABLE DIMMER PACKS

OUTPUT SOCKETS/CH.	POWER SUPPLY	APOLLO						APOLLO PLUS						363C					
		615C		616S/615S		616C		616S		616C/615C		716S		716C		625C		350C	
		50µs	100µs	50µs	100µs	50µs	100µs	50µs	100µs	50µs	100µs	50µs	100µs	50µs	100µs	100µs	200µs	200µs	
ONE SCHUKO	SCREW TERMINAL					05120	10120			05120	10120								
	CEE - 17					05130	10130			05130	10130	05130	10130						
TWO SCHUKO	SCREW TERMINAL			05220	10220			05220	10220										
	CEE - 17 (5X32A)			05230	10230			05230	10230										
ONE CEE - 17 (3x16A)	SCREW TERMINAL					05120	10120			05120	10120								
	CEE - 17					05130	10130			05130	10130	05130	10130						
TWO CEE - 17 (3x16A)	SCREW TERMINAL			05220	10220			05220	10220										
	CEE - 17			05230	10230			05230	10230										
ONE CEE-17 (3x32A)	SCREW TERMINAL															10130	20130		
	CEE - 17																		
ONE CEE-17 (3X63A)	SCREW TERMINAL																	20130	
	CEE - 17																		
ONE GB15A	SCREW TERMINAL	05120	10120					05120	10120										
	CEE - 17	05130	10130					05130	10130										
TWO GB15A	SCREW TERMINAL			05220	10220					05220	10220								
	CEE - 17			05230	10230					05230	10230								
ONE FRENCH	SCREW TERMINAL					05120	10120			05120	10120								
	CEE - 17					05130	10130			05130	10130	05130	10130						
TWO FRENCH	SCREW TERMINAL			05220	10220			05220	10220										
	CEE - 17			05230	10230			05230	10230										
ONE POWER CON	SCREW TERMINAL													05130	10130				
	CEE - 17																		
TWO POWER CON	SCREW TERMINAL																		
	CEE - 17																		
ONE SOCAPEX	SCREW TERMINAL													05130	10130				
	CEE - 17																		
TWO SOCAPEX	SCREW TERMINAL			05220	10220	05220	10220	05220	10220	05220	10220								
	CEE - 17			05230	10230	05230	10230	05230	10230	05230	10230	05230	10230						
ONE 16POLE x 16A (HARTING)	SCREW TERMINAL															05130	10130		
	CEE - 17																		
TWO 16POLE x16A (HARTING)	SCREW TERMINAL			05220	10220	05220	10220	05220	10220	05220	10220								
	CEE - 17			05230	10230	05230	10230	05230	10230	05230	10230								

### GUIDING ORDERING INFORMATION

APOLLO PLUS 6 16 S SCH 05 2 3 0

#### APOLLO or APOLLO PLUS SERIES

Number of channels **3** for 3 channels, **6** for 6 channels and **7** for 12 channels.

Maximum channel current ( **15** for 15A, **16** for 16A, **25** for 25A, **50** for 50A and **63** for 63A).

Control sliders ( **S** models without sliders, **C** models with sliders) S models are supplied with heavy duty fuse holders and C models are supplied with circuit breakers).

Output sockets ( **SCH** for Schuko, **CEE** for CEE17, **GBS** for British GB15A, **FRS** for French, **SCP** for Socapex, **HRT** for Harting and **POC** for Power Con).

Rise time of output filters ( **05** for 50µs, **10** for 100µs, **20** for 200µs).

Number of output sockets per channel ( **1** for 1 per channel, **2** for 2 per channel)

Mains power connection ( **2** for screw terminals, **3** for CEE17 and **6** for Delta screw terminals).

Reserved code for customer specs ( **0** for standard version).

Please make sure that the combination of your choice is available in the above standard ordering table.