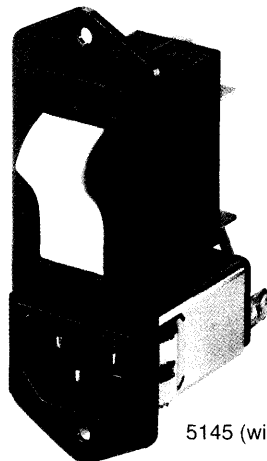


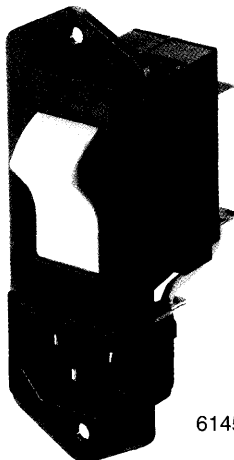
## PEM45 AC Inlet • Circuit Breaker For Equipment On/off Line Switch • With or Without Line Filter



**NEW**



5145 (with filter)



6145

- Ac inlet with circuit breaker (6145 Series) and line filter (5145 Series). 1 or 2-pole over-current protection, or without. Manual reset on/off switch lighted or unlighted. High current limiting up to 15 amps.
- Standard filter or medical grade (<math>5\mu\text{A}</math> leakage). Bleed resistor eliminates potential for shock after power is removed.
- AC inlet according to IEC 60320/C14.
- Qualifies for use in equipment meeting IEC/EN60950, 60601-1 and/or UL2601 compliance.
- Optional undervoltage release detects power loss.
- Mating cordsets & rewirable plugs available.

### Approvals:

		<u>5145</u>	<u>6145</u>
c-UL-us recognition	15A/250V	File #72928	File #E96454
VDE approval	10A/250	File #117118	File #117118

### Effect of ambient temperature

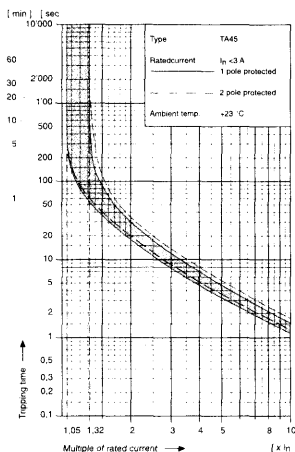
The unit is calibrated for an ambient temperature of +23°C. To determine the rated current for a lower or higher ambient temperature, use a correction factor from the table below:

Ambient temperature [°C]	Correction factor
-10	0,89
-5	0,91
0	0,92
+23	1,00
+30	1,03
+40	1,08
+55	1,16

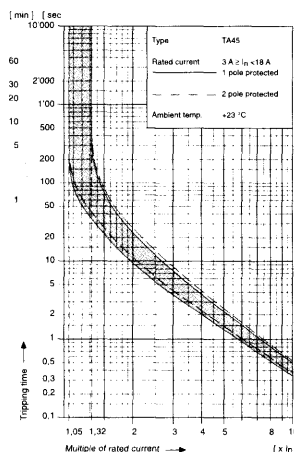
### Example

Rated current at +23°C      6,0 A  
 Ambient temperature      +40°C  
 Correction factor            1,08  
 Chosen rated current at  
 +40°C ambient temperature  
**6 A x 1,08 = 6,5 A**

**Tripping characteristics**  
 $I_n < 3 \text{ A}$

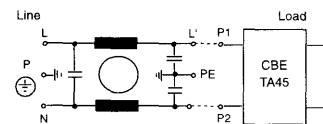


**Tripping characteristics**  
 $I_n \geq 3 \text{ A to } 15 \text{ A}$



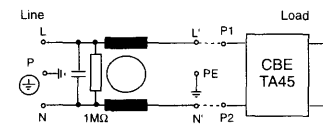
**Standard Filter**

Max. leakage current (250 V / 50 Hz) : 0,5 mA



**Medical Filter**

Max. leakage current (250 V / 50 Hz) : 5 μA



### Rated voltage, rated current and approvals

Rated voltage (V), 50-60 Hz	Rated current (A)	Tu (+°C)	cUL	VDE
AC 250	1, 2, 3, 4, 6, 8, 10	40	•	•
AC 250	15	40	•	•

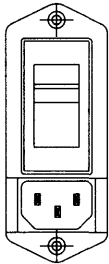
• up to 10A

Short circuit capacity $I_{CN}$	AC 240 V at $I_n < 3 \text{ A}$ AC 240 V at $I_n \geq 3 \text{ A}$	10 x $I_n$ 300 A
Test voltage	L/N -> PE > 2 sec	2700 V
Protection class	Accessible range Terminal side	IP40 IP00
Permissible ambient temperature (Power entry module)		-10°C to +55°C

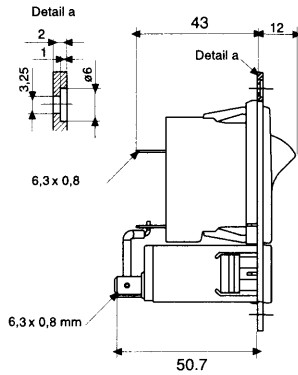
**PEM45** continued



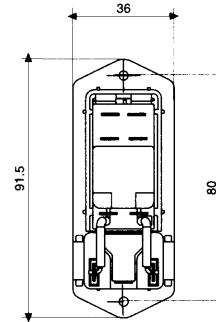
**Front view**



**Side view**

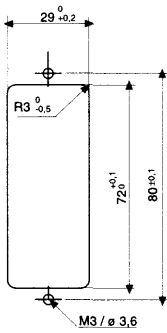


**Back view**

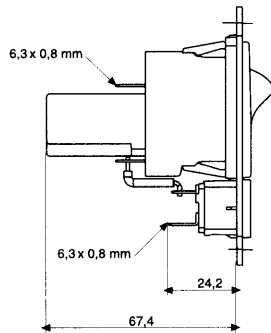


**Type 5145  
(with filter)**

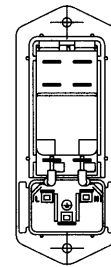
**Cut-out**



**Side view**



**Back view**

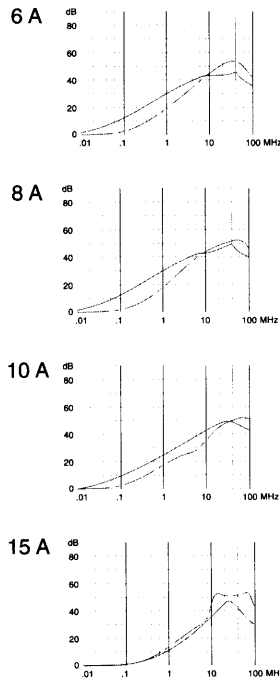
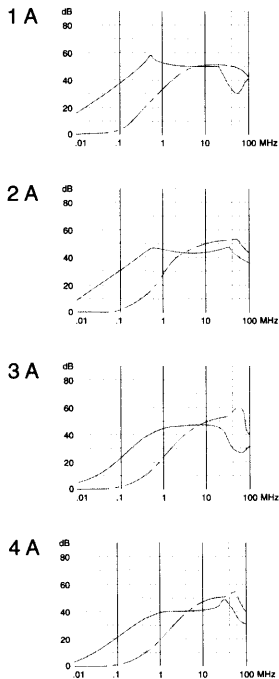


**Type 6145  
(without filter)**

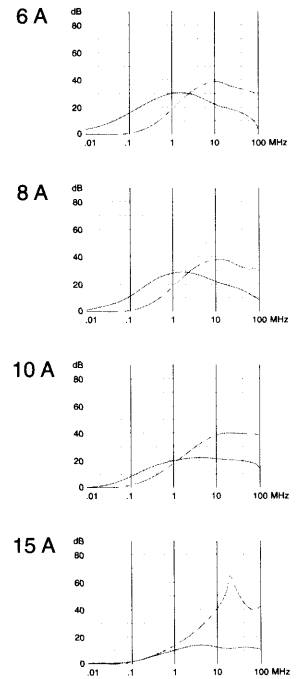
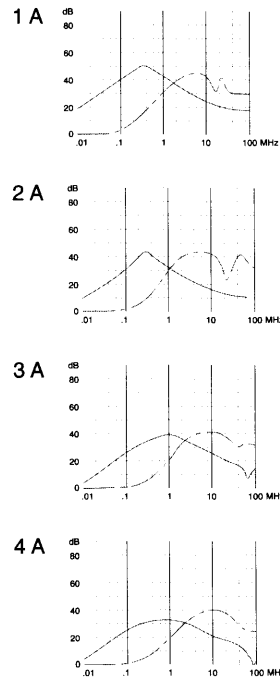
**Line Filter  
Attenuation loss**

--- symmetrical (differential mode): Line to line  
 — asymmetric common mode: Line to ground

**Standard Filters**



**Medical Filters**



**PEM45** continued



CE



CE

**Combinations**

**Appliance-inlet**

**Line filter**

**Circuit breaker for Equipment (CBE) TA45**

- ON/OFF mains switch 2 pole
- Thermal overload protection
- Undervoltage release
- Remote trip release

**Type 5145**

- 
- 
- 
- 
- (optional)
- (optional)

**Type 6145**

- 
- 
- 
- 
- (optional)
- (optional)

**Power entry module**

**Order Code (with order example)**

**Type      TA45 Circuit Breaker      Line filter**

5 1 4 5

6 1 4 5

2 pole rocker-switch  
without accessories

5 - A B T W F 1 5 0 C 0 - 8 1 1

**Wiring**

- 0 Without
- 1 With
- 2 Special (on request)

**Type of line filter**

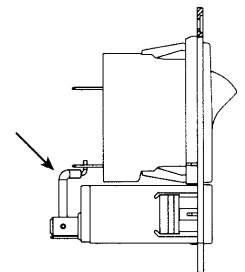
- 0 Without line filter (only Type 6145)
- 1 Standard
- 3 Medical

**Rated current of line filter**

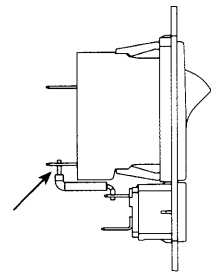
Code	Rated Current I <sub>n</sub>
0	Without line filter (only Type 6145)
1	1 (A)
2	2 (A)
3	3 (A)
4	4 (A)
5	6 (A)
6	8 (A)
7	10 (A)
8	15 (A)

**Type**

- 5 Power entry module  
(AC inlet + Line filter + Circuit breaker)
- 6 Power entry module  
(AC inlet + Circuit breaker)

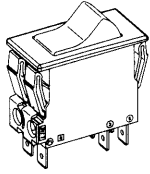


**Type 5145 with filter**



**Type 6145 without filter**

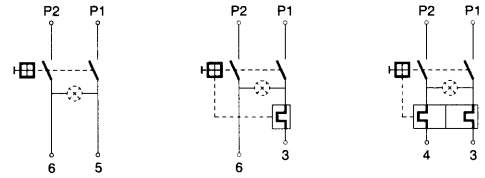
**TA45 Circuit Breaker for Equipment**



See pages 228/229 for technical data

- ON/OFF switch
- 2 pole, rocker actuated
- Quick connect terminal (other Types on request)

Without illumination –  
 With illumination 220/240 V  
 110/120 V



<b>ABC</b>	<b>ABT</b>	<b>ABD</b>
<b>A02</b> <b>A04</b>	<b>A12</b> <b>A14</b>	<b>A32</b> <b>A34</b>

Order example



**Colors**

**Switch front**

- W** black
- B** black
- 6** black

**Rocker**

- white –
- black –
- orange transp.

**Rocker legend**

Surface	Illustration	Color of print
<b>F</b> embossed	– ○	
<b>H</b> printed	ON OFF	white
<b>K</b> printed	ON OFF	black

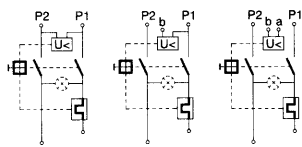
Without thermal overload protection: code C00

With thermal overload protection: rated current  $I_n$  (A)

$I_n$	Code	$I_n$	Code	$I_n$	Code	$I_n$	Code
0,1	J01	1,3	J13	2,8	J28	10,0	100
0,2	J02	1,4	J14	3,0	030	11,0	110
0,3	J03	1,5	J15	3,5	035	12,0	120
0,4	J04	1,6	J16	4,0	040	13,0	130
0,5	J05	1,7	J17	4,5	045	14,0	140
0,6	J06	1,8	J18	5,0	050	15,0	150
0,7	J07	1,9	J19	6,0	060		
0,8	J08	2,0	J20	6,5	065		
0,9	J09	2,1	J21	7,0	070		
1,0	J10	2,2	J22	7,5	075		
1,1	J11	2,3	J23	8,0	080		
1,2	J12	2,5	J25	9,0	090		

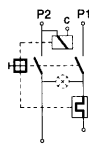
Without release: code C0

**Undervoltage release**



<b>U</b>	<b>E</b>	<b>Z</b>
1	1	1
2	2	2
3	3	3

**Remote trip release**



<b>A</b>	<b>Code</b>	Rated voltage $U_n$ AC (V)
1	<b>2</b>	240
1	<b>3</b>	230
1	<b>4</b>	120