
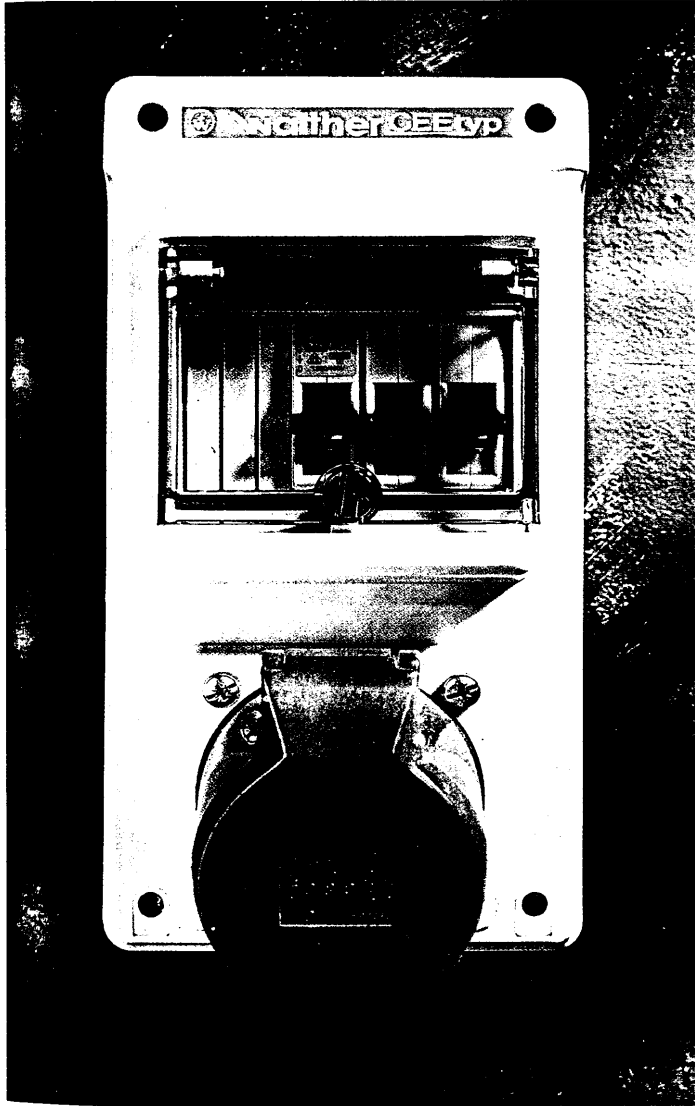


Wall socket outlets

3 P + N + 

IEC/EN 60 309

switched  
switched and fused  
with or without interlocking  
fused



Walther wall socket outlets  
can also be supplied with  
RCD, MCB or RCBO.

Page

**Wall socket outlets**

with switch  
IP 44 and IP 67  
16 - 125 A



without interlocking  
with interlocking

2/48  
2/49



**Wall socket outlets**

with DIN-rail  
IP 44 and IP 67  
16 - 125 A



2/50



**Wall socket outlets**

IP 44 and IP 67  
complete with  
MCB  
RCD  
Neozed  
Diazed  
NH or contactor

2/51  
2/52  
2/53  
2/54  
2/55



**Wall socket outlets**

with DIN-rail and switch  
IP 44 and IP 67  
with or without double interlocking

2/56



**Wall socket outlets fused**

IP 44 and IP 67  
with or without double interlocking  
complete with

MCB  
RCD  
Neozed  
Diazed

2/57  
2/58  
2/59  
2/60



718 3604

Amp	Volt	Hz	IP Ident. colour + h	Part No.	Wall socket outlets with switch	3 P + N +	IEC/EN 60 309	9	EAN No. 4015609...																														
					with double interlocking, switch 3 pole																																		
<b>16</b>	400 110 230	50/60 50/60 50/60	<b>6</b> <b>4</b> <b>9</b>	531 25 16 531 25 14 531 25 19																																			
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# Material properties

# Protection degrees

	PC/ABS	Polyamide	Rubber	Polyethylene
<b>Chem. resistance</b>				
<b>1. Hydrocarbons</b>				
n-hexane	O	+	-	+
four star petrol, containing aromatic chemicals	-	+	-	+
heating oil	O	+	O	+
petrol, free of aromatic chemicals	O	+	O	O
benzol	-	+	-	+
naphtalene	-	+	-	+
nitro benzol	-	+	-	O
toluol	-	+	-	+
<b>2. Alcohols</b>				
ethyl alcohol, 96%	O	O	+	+
isopropanol	O	O	+	O
phenol	-	-/Δ	-	+
glycol	O	O/Δ	+	+
glycerine	O	+	+	+
<b>3. Ketones</b>				
acetone	-	+	+	+
methylethylcetone	-	+	-	O
<b>4. Acids (max. concentration)</b>				
hydrochloric acid (20%)	+	-	O	+
nitric acid (10%)	+	-	O	O
phosphoric(30%)	+	-	+	+
sulphuric acid (30%)	+	-	+	+
citric acid (10%)	+	+	+	+
lactic acid (10%)	+	+	+	+
acetic acid (10%)	+	O	-	+
oelic acid	-	+	-	+
<b>5. Bases</b>				
anilin	-	O	-	+
sodium hydroxide (10%)	-	+	+	+
ammonia solution, diluted	-	+	+	+
<b>6. Halogenes</b>				
bromine	-	-	-	-
chlorine	-	-	-	+
iodine	-	-	+	+
<b>7. Oils, greases</b>				
soybean oil	-	+	-	+
olive oil	+	-	+	+
lard	-	+	-	+
butter	-	+	-	+
<b>8. Salt solutions</b>				
potassium carbonate, sat.	-	+	+	O
sodiumthio sulphate	+	+	+	+
sodium hypochlorid	+	-	-	O
sea water	+	+	+	+/O
<b>9. Cleaning agents</b>				
curd soap solution, 2%	+	+	O	+
detergent, e.g. Persil	O	+	+	+
cleaning agent, e.g. Dor	+	+	O	+/O
<b>10. Other media</b>				
diethyl ether	-	+	-	+
urea	+	O	+	+
trichloric ethylene	-	O	-	+
hydrogen superoxide, 30%	+	O	-	O

- + = resistance
- O = limited resistance
- = no resistance
- Δ = soluble

IEC/EN 60 529, DIN/VDE 0470 T1 / 11.1992.

The protection is indicated by the IP-Code

IP = International Protection

Component Code Letters	Nos. or letters IP	Protection of equipment	Protection of persons
First digit	1	≥ 50 mm diameter	Protection against solid foreign objects
	2	≥ 12,5 mm diameter	Protection against touching with (not protected)
	3	≥ 2,5 mm diameter	hand
	4	≥ 1,0 mm diameter	finger
	5	damaging deposits of dust	tool
	6	any penetration of dust	wire
Second digit	0	Protection against the penetration of liquids (not protected)	wire
	1	vertical falling of water	hand
	2	waterdrops (15° angle)	finger
	3	spraying water	tool
	4	splashing water	wire
	5	water jets	wire
	6	heavy seas	wire
	7	immersion of water	wire
8	submersion of water	wire	

Source: DIN/VDE 0470 T 1/11.92

Hint:  
According to the standard IEC/EN 60 309 CEEtyp plugs and sockets have the following level of protection:  
16 - 63 A : IP 44 and IP 67  
125 A : IP 67  
Zone 11 : min. IP 54 according to DIN/VDE 0165-2.91

# Materials

## Enclosures and contact carrying parts

are made of high-quality self-extinguishing plastic material which is free from cadmium, PVC and halogen. Suitable for ambient temperatures of -25°C to +40°C and up to +50°C under load.

As a rule plastic CEEtype plugs and sockets are made of polyamide. The enclosures for the combinations are made of PC/ABS, solid rubber or polyethylene.

For special applications as extreme heat, cold, or increase chemical resistance, Walther also supplies units with special plastic materials.

## Contacts

are made of brass. For plugs and sockets for voltages lower than 50 V, watertight (IP 67) plugs and sockets, Mondo plugs and sockets as well as plugs and sockets for harsh environments the contacts are nickel-plated. All steel components such as screws and springs

are zinc-plated and blue-chromed or nickel-plated. The cross-sectional areas of the terminals are in accordance with IEC/EN 60 309-2/97 table 107. The temperature rise of a contact may be +50°K under the test conditions being determined in table 8.

## Size of connectable conductors

Ratings of the accessory		Internal connection <sup>1)</sup>							External earthing connection if any		
Voltage V	Current A		Flexible cables for plugs and connectors Solid or stranded cables for appliance inlets <sup>2)</sup>			solid or stranded cables for socket outlets <sup>2)</sup>			mm <sup>2</sup>	Terminal size	AWG
	Series I	Series II	mm <sup>2</sup>	AWG	Terminal size	mm <sup>2</sup>	AWG	Terminal size			
Not exceeding 50	16	20	4 to 10	12-8	6	4 to 10	12-8	5			
	32	30	4 to 10	12-8	6	4 to 10	12-8	5			
Exceeding 50	16	20	1 to 2,5	17-13	2	1,5 to 4	16-12	3 <sup>3)</sup>	6	4	10
	32	30	2,5 to 6	13-10	5	2,5 to 10	13-8	5	10	5	8
	63	60	6 to 16	10-6	7	6 to 25	10-4	7	25	7	4
	125	100	16 to 50	6-1/0	9 <sup>4)</sup>	25 to 70	4-2/0	9 <sup>4)</sup>	25	7	4

<sup>1)</sup> Terminals for pilot conductors, if any, shall allow the connection of conductors having the same nominal cross-sectional areas as the terminals of 16 A accessories having rated operating voltages exceeding 50 V.

<sup>2)</sup> Classification of conductors: according to IEC 60228, clause 2 and HD 383 S2 §2 solid (Class 1); stranded (Class 2); flexible (Class 5).

<sup>3)</sup> For pillar terminals, size 2

<sup>4)</sup> Compliance with terminal size 9 is provisionally not required.

Source: IEC/EN 60 309-2/97 Table 107

Preferred rated current Series I/II		Cross-sectional area(s) of conductors				
		Plugs, appliance inlets + Connectors		Socket outlets		
Duration	A	A	mm <sup>2</sup>	AWG	mm <sup>2</sup>	AWG
1 h	16/20	22	2,5 <sup>1)</sup>	13	4 <sup>1)</sup>	12
1 h	32/30	42	6 <sup>1)</sup>	10	10	8
2 h	63/60	rated current	16	6	25	4
2 h	125/100	rated current	50	1/0	70	2/0

<sup>1)</sup> For accessories having a rated operating voltage not exceeding 50 V, the values are increased to 10.

Source: IEC/EN 60 309-1 08.97 Table 8