

# AMPCO EXPLOSION PROTECTED PLUGS AND SOCKETS ZONE 21/22

## Class II, Division 1 Locations as per IEC 61241

These are locations:

- a) in which, under normal operating conditions, combustible dust is (or is likely to be) in suspension in the air in quantities sufficient to produce an explosive or ignitable mixture,
- b) in which metallic dusts may be present.

NOTE: This classification usually includes, for example, rooms containing machines (such as grinders, pulverizers, cleaners, graders and scrapers that are not provided with suitable dust

extraction or exhaust systems, open bins and hoppers, terminal points of open conveyors and spouts in grain processing plants, starch plants, sugar plants, malting plants, hay plants and coal plants) and all working areas where metallic dusts and powders are produced, processed, handled, packed or stored (except when these are stored in sealed containers).

AMPCO® plugs and sockets fulfill the following requirements:

- Plugs and sockets must have at least protection grade IP54
- Socket-outlets must be arranged such that the insertion aperture for the plug opens downwards.
- Insertion and removal of the plug must be possible only with no voltage connected.
- With the plug removed, the insertion aperture of the socket-outlet must be covered by a captive cover such that protection grade IP 54 is maintained.
- Socket-outlets must be permanently installed.
- Connectors and adaptors may not be used.

The definition of Zone 21/22 is in the process of harmonizing in many countries.

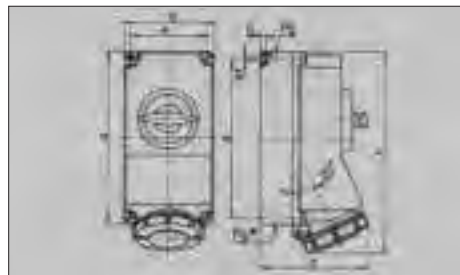
## IP67 WATERTIGHT, SWITCHED DUAL INTERLOCKED SOCKET -

A	V	2P+E	3P+E	3P+N+E
16	230	7012	5599	5602
	400	—	A0620	A0619
	500	—	—	A0622
32	230	5793	5604	5607
	400	—	A0621	A0613
	500	—	5606	—
63	230	—	5109	5112
	400	—	A3101	A3102
	500	—	A3103	A3104



DIMENSIONS: IN mm

Amp.	16			32		63
	3	4	5	3+4	5	4+5
a	225	225	225	225	225	264
b	118	118	118	118	118	163
c	144	146	147	152	153	196
d	208	208	208	208	208	240
e	101	101	101	101	101	140
f	6,3	6,3	6,3	6,3	6,3	8,1
g	8	8	8	8	8	8
h	252	255	259	268	274	300
Pg	2x21	2x21	2x21	2x21	2x21	29

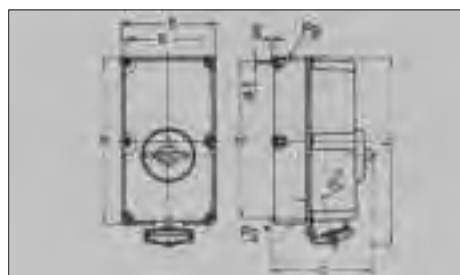


## IP67 WATERTIGHT, SWITCHED DUO INTERLOCKED SOCKET -

A	V	2P+E	3P+E
125	230	5887	5888
	400	5691	5692
	500	5690	—

DIMENSIONS: IN mm

Amp.	125	
	4	5
a	460	460
b	260	260
c	283	283
d	434	434
e	234	234
f	11	11
g	9	9
h	525	525
Pg	42	42
Pg*	2x42	2x42



Note: All "A" numbers represent ex stock items. All other numbers are available on request, other voltages are also available on request. Zone 21/22 sockets and plugs for 16A and 32A in 7 Pole are available on request.