



8/2

Distribution boards, with steel sheet door and mounting plate

Distribution boards, with steel sheet door and mounting plate

Overview

The ALPHA BOX distribution boards comprise a metal enclosure and a closed metal door with seal. The interior is fitted with a mounting plate for mounting a wide range of devices. The locking system with double-bit lock – one lock for the small distribution boards and two locks for the larger ones – is simple to open and close.

These mechanically robust distribution boards with corrosion-proof surface are ideal for a wide range of applications, not only in residential and non-residential buildings, but also in harsh environments.

Benefits

- Mechanically robust and corrosion-proof according to IEC/EN 62208
- Simple mounting of devices on the mounting plate

Application

ALPHA BOX distribution boards are ideal for a wide range of in-door applications, not only in residential and non-residential buildings, but also in harsh environments.

Design



Door opening angle of 180°



Interior view with mounting plate



Locking system



Distribution boards, with steel sheet door and mounting plate

Technical specifications

Test specifications	IEC 62208 / EN 62208 / EN 62208 (VDE 0660-511)
Protective measures	Safety class I (protective conductor connection)
Degree of protection acc. to EN 60529	IP55 with door
Corrosion resistance	Acc. to EN 62208
Impact strength	IK 09
Load carrying capacity of mounting plate	50 kg for enclosure sheet thickness 1 mm, 100 kg for enclosure sheet thickness 1.5 mm
Load carrying capacity of door	8 kg for enclosure sheet thickness 1 mm, 15 kg for enclosure sheet thickness 1.5 mm
Ambient temperature for indoor installation	-5 ... 40 °C
Ambient atmospheric conditions for indoor installation	50 % relative humidity at +40 °C or 90 % at +20 °C
Conditions during transport and storage	-25 ... +55 °C, short-time < 24 h +70 °C
Enclosures	Sheet steel
Surface	Electrogalvanized and powder-coated
Color	RAL 7035 (light gray)
Locking system	3 mm double-bit lock
Packing material	Shock-proof, environmentally-compatible
Further valid test specifications	IEC/EN 50102, IEC/EN 60529
Further specifications in accordance with	IEC 60439-1/-3 / EN 60439-1/-3 (VDE 0660-500/-504)
Overvoltage category	III
Rated voltage U_n (40 ... 60 Hz) in V	≤ 690 / 520 V (for EN 60439-3)
Pollution degree	3

Order number	External dimensions in mm			Permissible power loss in W for surface-mounting enclosures at overtemperature in 75 % of enclosure height				
	Height	Width	Depth	10 K	15 K	20 K	25 K	30 K
8GM1 040-3KK30	400	300	200	10	17	25	33	41
8GM1 050-3KK30	500	300	200	12	20	29	38	48
8GM1 050-3KK40	500	400	200	15	25	35	46	58
8GM1 050-4KK40	500	400	250	17	27	39	52	65
8GM1 060-3KK40	600	400	200	17	27	39	52	65
8GM1 060-4KK40	600	400	250	19	31	44	58	73
8GM1 070-3KK50	700	500	200	22	36	51	68	85
8GM1 070-4KK50	700	500	250	24	40	56	75	94
8GM1 080-4KK60	800	600	250	30	49	70	93	116
8GM1 080-5KK60	800	600	300	33	54	77	102	128
8GM1 100-4KK60	1000	600	250	34	57	81	107	134
8GM1 100-5KK60	1000	600	300	38	63	90	119	149
8GM1 100-5KK80	1000	800	300	51	84	121	159	200
8GM1 120-5KK80	1200	800	300	64	105	150	198	249



Distribution boards, with steel sheet door and mounting plate

Selection and ordering data

Version	DT	Order No.	Price per PU	PU	PS* / P. unit	PG	Weight 1 unit approx.		
				Unit(s)	Unit(s)		kg		
Distribution boards, with steel sheet door and mounting plate									
External dimensions									
Height mm	Width mm	Depth mm	Enclosure thickness mm						
400	300	200	1	C	8GM1 040-3KK30	1	1	036	6.100
500	300	200	1	C	8GM1 050-3KK30	1	1	036	7.300
	400	200	1	C	8GM1 050-3KK40	1	1	036	9.200
	400	250	1	C	8GM1 050-4KK40	1	1	036	10.000
600	400	200	1	C	8GM1 060-3KK40	1	1	036	10.800
	400	250	1	C	8GM1 060-4KK40	1	1	036	11.600
700	500	200	1.5	C	8GM1 070-3KK50	1	1	036	19.100
	500	250	1.5	C	8GM1 070-4KK50	1	1	036	21.600
800	600	250	1.5	C	8GM1 080-4KK60	1	1	036	28.100
	600	300	1.5	C	8GM1 080-5KK60	1	1	036	29.900
1000	600	250	1.5	C	8GM1 100-4KK60	1	1	036	34.100
	600	300	1.5	C	8GM1 100-5KK60	1	1	036	36.000
	800	300	1.5	C	8GM1 100-5KK80	1	1	036	45.600
1200	800	300	1.5	C	8GM1 120-5KK80	1	1	036	53.400



8GM1 040-3KK30