

JUNCTION BOXES FOR ELECTRICAL INSTALLATIONS



REFERENCE STANDARDS

EN 60670-22
Boxes and enclosures for electrical accessories for household and similar fixed electrical installations. Part 22: particular requirements for connecting boxes and enclosures.

QUALITY MARKS



VERSIONS

	Enclosure IP66
	Mounting plates
	DIN rail kit

TECHNICAL CHARACTERISTICS

Protection degree:	IP66
Operating temperature according to the reference standard:	-25°C +60°C
Max. operating temperature (Short period):	-40°C +90°C
Material:	Alluminium alloy
IK degree at 20°C:	IK08
Cable inlets:	Blank sides
DIN rail fixing	Yes
Colour:	Grey RAL 9006 with metallic pigments

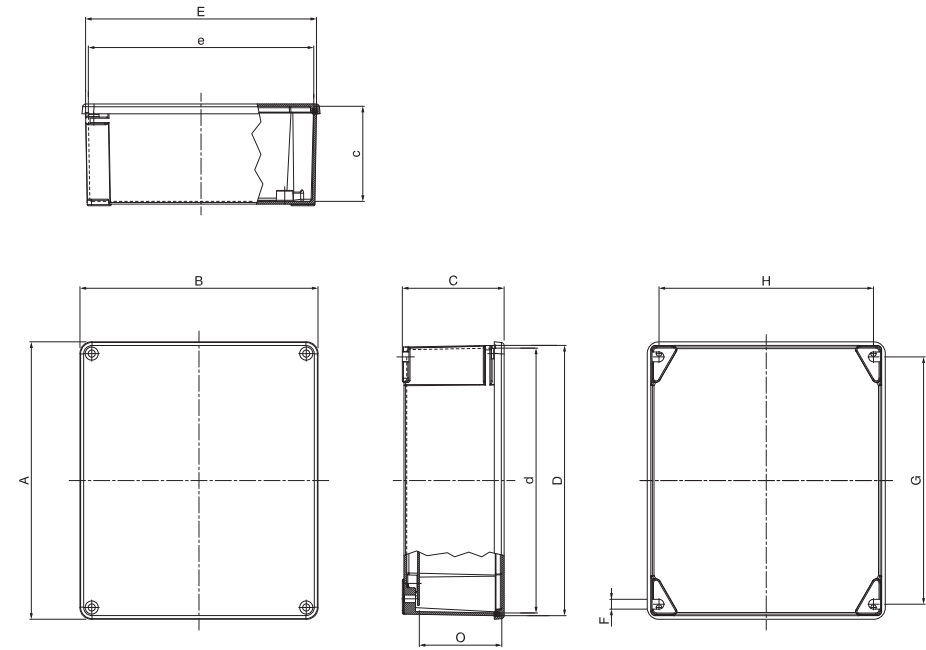
Heavy duty appliance for internal industrial applications.

BEHAVIOUR WITH CHEMICAL AND ATMOSPHERIC AGENTS

Saline solution	Acids		Bases		Solvents				Mineral oil	UV rays
	Concentrated	Diluted	Concentrated	Diluted	Hexane	Benzol	Acetone	Alcohol		
Resistant	Limited Resistance	Resistant	Limited Resistance	Resistant	Limited Resistance	Limited Resistance	Limited Resistance	Resistant	Resistant	Resistant

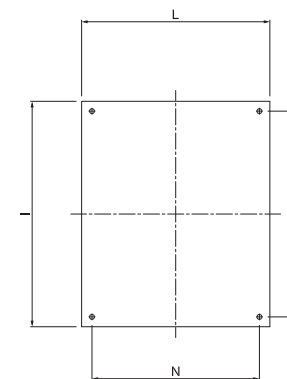
DIMENSIONS

ENCLOSURES



Code	External dimensions (with cover)			External box dimensions		Internal dimensions (with cover)			Surface mounting points			Useful height	
	A mm	B mm	C mm	D mm	E mm	c mm	d mm	e mm	F mm	G mm	H mm	O mm	
653.00	32	100	100	59	94	94	53	90	90	6	88	80	X
653.01	24	140	115	60	134	109	55	130	104	6	120	100	45
653.02	16	166	142	64	160	136	58	156	132	7,5	144	125	48
653.03	12	192	168	80	185	161	74	180	156	6	168	149	64
653.04	6	253	217	93	247	211	85	242	206	9	226	196	75
653.05	2	314	264	122	305	255	114	299	249	9	275	236	103
653.07	1	410	315	153	400	305	144	393	298	9	367	283	127

MOUNTING PLATES



Code	Enclosure	I mm	L mm	M mm	N mm
653.011	653.01	122	97	107	66
653.012	653.02	147	123	121	98
653.013	653.03	165	124	153	112
653.014	653.04	206	172	188	153
653.015	653.05	254	210	238	198
653.017	653.07	349	260	333	248

ALUBOX Series

Aluminium junction boxes

ENCLOSURES - IP66

 1
2
ENCLOSURES
3


Dimensions (mm)		Screw for attaching cover	Earthing screws	Weight (Kg)		
100x100x59	☒	n° 2 M5x10mm	n°1 M4x6	0,255	1/32	653.00
140x115x60	☒	n° 4 M5x16mm	n°1 M4x6	0,400	1/24	653.01
166x142x64	☒	n°4 M5x16mm	n°1 M4x6	0,585	1/16	653.02
192x168x80	☒	n° 4 M5x16mm	n°1 M4x6	0,870	1/12	653.03
253x217x93	☒	n° 4 M6x20mm	n°1 M4x6	1,760	1/6	653.04
314x264x122	☒	n° 4 M6x20mm	n°1 M4x6	2,880	1/2	653.05
410x315x153	☒	n° 4 M6x20mm	n°1 M4x6	6,500	1	653.07

- Enclosure and cover in die-cast aluminium.
 - Externally varnished.
 - With stainless steel screws for attaching cover and self-tapping zinc-coated steel screws for earthing the enclosure and cover.
- ☒ = counter-sunk head screw.
☒ = flat head screw.

MOUNTING PLATES



For enclosures (mm)	Screw for attaching cover	Thickness (mm)	Weight (Kg)		
100x100x59					
140x115x60	n° 4 M4x6	1,5		1/40	653.011
166x142x64	n° 4 M4x6	1,5		1/20	653.012
192x168x80	n° 4 M4x6	1,5		1/20	653.013
253x217x93	n° 4 M4x6	1,5		1/10	653.014
314x264x122	n° 4 M4x6	1,5		1/10	653.015
410x315x153	n° 4 M4x6	2	0,770	5	653.017

- Zinc-coated steel plate.
- With zinc-coated steel self-tapping screws for attaching the plate.

DIN RAIL KIT



For enclosures (mm)		
100x100x59	1	653.020
140x115x60	1	653.021
166x142x64	1	653.022
192x168x80	1	653.023
253x217x93	1	653.024
314x264x122	1	653.025
410x315x153	1	653.027



Enclosures and covers in aluminium alloy with blank walls and covered.



Holding seal in expanded EPDM, already mounted in place on the cover



Fixing to wall by brackets incorporated in the enclosure base