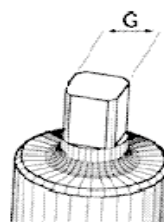
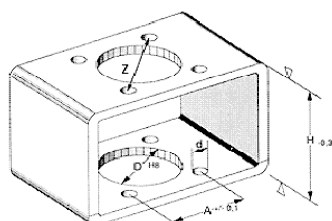


Extract from ISO:5211 & DIN:3337

ISO:5211 defines the actuator mounting dimensions and drive square size
 DIN:3337 defines a 45 deg orientation of the actuators' square drive shaft



	ØD	A (±0.1)	Ød (±0.1)	ØZ (±0.1)	No. of bolts	Bolt Ø	H (±0.5)	G
F03	25	25.5	5.5	36	4	M5	50	9
F04	30	29.7	5.5	42	4	M5	50	11
F05	35	35.4	6.5	50	4	M6	60	14
F07	55	49.5	8.5	70	4	M8	60	17
F10	70	72.1	10.5	102	4	M10	80	22
F12	85	88.4	12.5	125	4	M12	80	27
F14	100	99	17	140	4	M16	90	36
F16	130	116.7	21	165	4	M20	120	46
F25	200	254	17	254	8	M16	180	55

Extract from IEC:60529 (IP Code)

IEC:60529 describes a system for classifying the degrees of protection provided by the enclosures of electrical equipment. The system uses a 2 number code, the combination of which indicates the degree of protection

1st code Number	Level of protection against the ingress of solid foreign bodies	2nd code Number	Level of protection against water
0	No protection	0	No protection
1	≥ 50mm diameter	1	Vertical dripping
2	≥ 12.5mm diameter	2	Angled (15deg) dripping
3	≥ 2.5mm diameter	3	Spraying (light water splashes)
4	≥ 1mm diameter	4	Spraying (water splashes)
5	Dust protected	5	Jetting (water squirts)
6	Dust tight	6	Powerful jetting
		7	Temporary immersion
		8	Continuous immersion

Further details for most common codes

2nd code Number	Test means	Water flow Litres/min	Duration of test
5	Water jet hose nozzle. Nozzle 6.3mmØ Distance 2.5 to 3m	12.5 ±5%	1 minute per m2 for at least 3 minutes
6	Water jet hose nozzle. Nozzle 12.5mmØ Distance 2.5 to 3m	100 ±5%	2 minute per m2 for at least 3 minutes
7	Immersion tank. Water level on enclosure 0.15m above the top, 1m above the bottom	N/A	30 minutes
8	Immersion Tank. Water level on agreement	N/A	By agreement