

X . SA . / JB

Intrinsically safe

Box material:

- 0 – die-cast aluminium
- 1 – polyester (GRP)
- 2 – stainless steel sheet

SA – control box designation

Dimension type:

see tables below

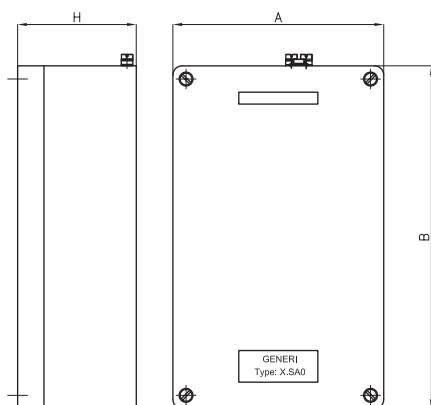
Design:

- X: explosion-proof (Ex)
- L: industrial

Type of protection (according to used Ex components)	Type X.SA.: ⊕ II 2G Ex dbe IIC T6 Gb ⊕ II 2G Ex emb IIC T6 Gb ⊕ II 2G Ex dbemb IIC T6 Gb ⊕ II 2D Ex tb IIIC T85°C Db	Type X.SA./JB: ⊕ II 2G Ex ia IIC T6 Gb ⊕ II 2D Ex ia IIIC T85°C Db
Ingress protection	IP65	
Ambient temperature*	-60 °C to +80 °C	
Box material	X.SA0 – die-cast aluminium X.SA1 – polyester X.SA2 – stainless steel sheet	
Connection	spring-cage terminal blocks 0.5 – 4 mm ²	
Cable glands	see cable glands section below	

* Maximum range.

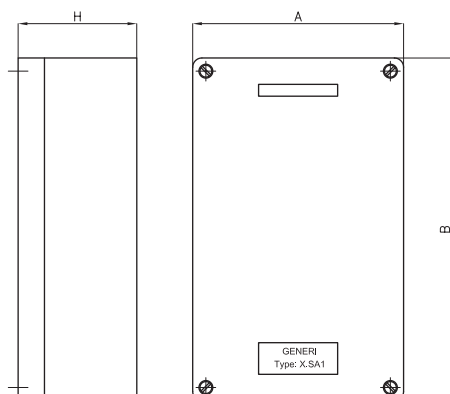
X.SA0	
Material	die cast aluminium
Surface finish	powder baking paint
Colour	grey, RAL 7001



Type	A × B × H [mm]
X16SA0	80 × 75 × 57
X17SA0	80 × 125 × 57
X18SA0	80 × 175 × 57
X19SA0	80 × 250 × 57
X21SA0	120 × 122 × 80
X22SA0	120 × 220 × 80
X23SA0	120 × 220 × 90
X24SA0	122 × 360 × 80
X25SA0	160 × 160 × 90
X26SA0	160 × 260 × 90
X27SA0	160 × 360 × 90
X28SA0	160 × 560 × 90
X29SA0	230 × 200 × 110
X31SA0	230 × 280 × 110
X32SA0	230 × 330 × 110
X33SA0	230 × 400 × 110
X35SA0	230 × 600 × 110
X42SA0	310 × 400 × 110
X43SA0	310 × 600 × 110

Type	A × B × H [mm]
X46SA0	100 × 100 × 80
X47SA0	100 × 160 × 80
X48SA0	100 × 200 × 80
X49SA0	120 × 122 × 90
X50SA0	140 × 140 × 90
X51SA0	140 × 200 × 90
X52SA0	180 × 180 × 100
X53SA0	180 × 280 × 100
X54SA0	100 × 230 × 110
X55SA0	230 × 200 × 180
X56SA0	230 × 330 × 180
X57SA0	230 × 400 × 224
X58SA0	310 × 400 × 180
X59SA0	310 × 400 × 226
X60SA0	310 × 600 × 180
X70SA0	600 × 600 × 200

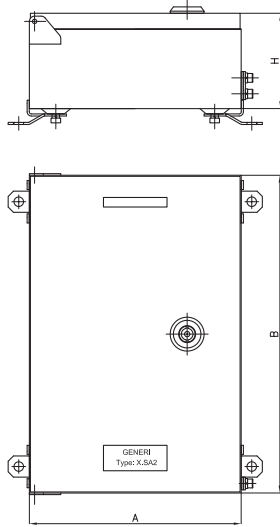
X.SA1	
Material	Glass reinforced polyester (GRP) with graphite added, surface resistance < 10 ⁹ Ω
Colour	black, RAL 9011 or RAL 9005
Flammability	difficultly inflammable, self-extinguishing



Type	A × B × H [mm]
X12SA1	75 × 80 × 55
X13SA1	75 × 110 × 55
X14SA1	75 × 160 × 55
X15SA1	75 × 190 × 55
X20SA1	120 × 122 × 90
X23SA1	120 × 220 × 90
X25SA1	160 × 160 × 90
X26SA1	160 × 260 × 90
X27SA1	160 × 360 × 90
X28SA1	160 × 560 × 90
X37SA1	250 × 255 × 120
X38SA1	250 × 255 × 160

Type	A × B × H [mm]
X39SA1	250 × 400 × 120
X40SA1	250 × 400 × 160
X44SA1	360 × 360 × 90
X45SA1	405 × 400 × 120
X71SA1	250 × 600 × 120
X72SA1	80 × 75 × 75
X73SA1	110 × 75 × 75
X74SA1	160 × 75 × 75
X75SA1	190 × 75 × 75
X80SA1	400 × 405 × 165
X365SA1	400 × 600 × 250

X.SA2	
Material	Stainless steel plate 17 240 (AISI 304), other quality on request



Type	A × B × H [mm]
X05SA2	302 × 402 × 188
X320SA2	150 × 150 × 90
X321SA2	200 × 150 × 90
X322SA2	200 × 200 × 90
X323SA2	300 × 150 × 90
X324SA2	300 × 200 × 90
X325SA2	300 × 300 × 90
X326SA2	300 × 400 × 90
X327SA2	400 × 200 × 90
X328SA2	400 × 400 × 90
X329SA2	560 × 400 × 90
X330SA2	300 × 200 × 150
X331SA2	300 × 300 × 150
X332SA2	300 × 400 × 150
X333SA2	400 × 200 × 150
X334SA2	400 × 400 × 150
X335SA2	560 × 400 × 150
X340SA2	300 × 400 × 190
X341SA2	400 × 400 × 190
X342SA2	560 × 400 × 190
X343SA2	800 × 400 × 190
X344SA2	500 × 300 × 150
X345SA2	500 × 400 × 150
X346SA2	330 × 200 × 150
X347SA2	330 × 300 × 150
X349SA2	400 × 300 × 90
X357SA2	400 × 300 × 150
X397SA2	400 × 560 × 90
X398SA2	400 × 560 × 150
X407SA2	400 × 300 × 190
X408SA2	330 × 200 × 190
X409SA2	330 × 300 × 190
X410SA2	400 × 560 × 190

Type	A × B × H [mm]
X411SA2	400 × 800 × 190
X412SA2	500 × 300 × 190
X413SA2	500 × 400 × 190
X414SA2	360 × 200 × 150
X415SA2	360 × 300 × 150
X416SA2	360 × 200 × 190
X417SA2	360 × 300 × 190
X430SA2	100 × 100 × 61
X431SA2	150 × 100 × 61
X432SA2	150 × 150 × 81
X433SA2	200 × 100 × 61
X434SA2	200 × 200 × 81
X435SA2	200 × 200 × 121
X436SA2	300 × 150 × 81
X437SA2	300 × 200 × 81
X438SA2	300 × 200 × 121
X439SA2	300 × 300 × 121
X440SA2	300 × 300 × 161
X441SA2	380 × 380 × 161
X442SA2	400 × 150 × 81
X443SA2	400 × 200 × 121
X444SA2	400 × 300 × 161
X445SA2	500 × 300 × 161
X446SA2	500 × 400 × 161
X460SA2	200 × 250 × 97
X461SA2	200 × 250 × 157
X462SA2	350 × 250 × 97
X463SA2	300 × 300 × 167
X464SA2	380 × 380 × 167
X465SA2	380 × 380 × 217
X466SA2	500 × 300 × 167
X467SA2	600 × 300 × 167
X468SA2	600 × 380 × 217

Box size depends on required technical scope (number control elements, wiring diagram, connecting cables, etc.).
More detailed information on request.

NO/NC contact block	Spring return pushbutton	Mushroom pushbutton	Rotary selector switch	Indicator LED light
Key rotary selector switch	Cam switch	Potentiometer	A-meter	Fuse, termination element