

LIGHT

■ TIGHT JUNCTION BOXES



Light Series tight derivation boxes are sealable and made from halogen free long-lasting plastic material.

Include 25mm and 40 mm conical cable glands on the EV versions, premoulded entries on the EX versions and plain sides on the EL references. 1/4 turn unloosable and sealable screws are incorporated for fixing the lids to the bases.


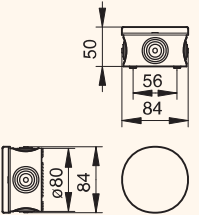
The motor protection boxes have space for installation of larger size mechanism, and they are available with transparent and opaque lids.

All enclosures are adapted to the metric system and include supports for installation of DIN rail and mounting plates on the base.


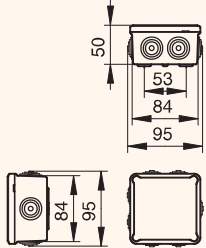


TECHNICAL DATA


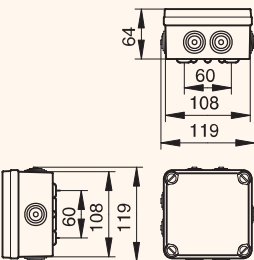
■ Degree of protection	IP65 / IP67*
■ Resistance to impact	IK07
■ Test of resistance to glow wire	650° C
■ Ball pressure test	70° C
■ Halogen free materials:	
- Box and opaque lid: PS RAL7035	
- Transparent lid: Polycarbonate (UV protected)	

	Commercial Ref.	
	SIL-EP048 With conical cable glands TYPE: 55DS048	


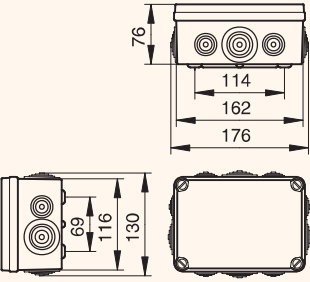
IP54 - RAL7035

	Commercial Ref.	
	SIL-EP088 With conical cable glands SIL-EX088 With pre moulded cable entries TYPE: 55DS088	

IP54 - RAL7035


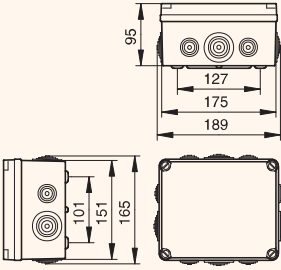
	Commercial Ref.	
	SIL-EV111 With conical cable glands SIL-EX111 With pre moulded cable entries SIL-EL111 Plain sides TYPE: 55DS111	


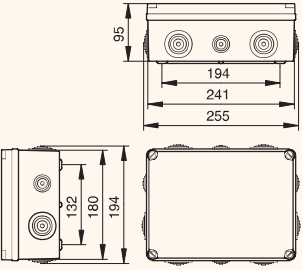
IP65-IP67 - RAL7035


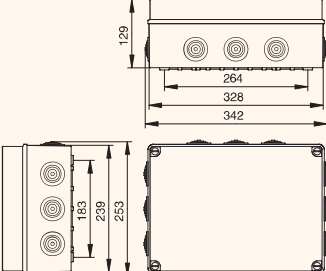
	Commercial Ref.	
	SIL-EV161 With conical cable glands SIL-EX161 With pre moulded cable entries SIL-EL161 Plain sides TYPE: 55DS161	


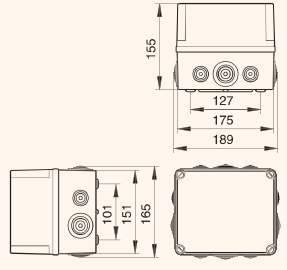
IP65-IP67 - RAL7035


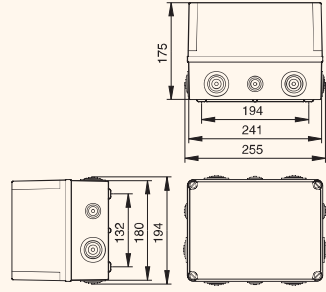



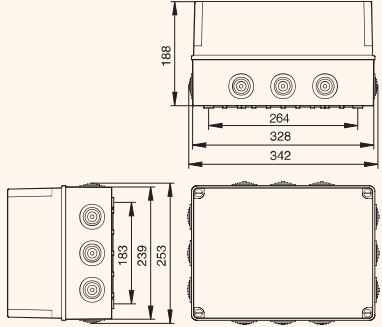
	Commercial Ref.		
	SIL-EV171	With conical cable glands, opaque lid	
	SIL-EX171	With premoulded cable entries, opaque lid	
	SIL-EL171	Plain sides, opaque lid	
	SIL-EVT171	With conical cable glands, transparent lid	
	SIL-EXT171	With premoulded cable entries, transparent lid	
	SIL-ELT171	Plain sides, transparent lid	
IP65-IP67 - RAL7035	TYPE: 55DS171	Cable entries: 6xM25 - 4xM25/40	

	Commercial Ref.		
	SIL-EV231	With conical cable glands, opaque lid	
	SIL-EX231	With premoulded cable entries, opaque lid	
	SIL-EL231	Plain sides, opaque lid	
	SIL-EVT231	With conical cable glands, transparent lid	
	SIL-EXT231	With premoulded cable entries, transparent lid	
	SIL-ELT231	Plain sides, transparent lid	
IP65-IP67 - RAL7035	TYPE: 55DS231	Cable entries: 4xM25 - 6xM25/40	

	Commercial Ref.		
	SIL-EV322	With conical cable glands, opaque lid	
	SIL-EX322	With premoulded cable entries, opaque lid	
	SIL-EL322	Plain sides, opaque lid	
	SIL-EVT322	With conical cable glands, transparent lid	
	SIL-EXT322	With premoulded cable entries, transparent lid	
	SIL-ELT322	Plain sides, transparent lid	
IP65-IP67 - RAL7035	TYPE: 55DS322	Cable entries: 12xM25/40	

	Commercial Ref.		
	SIL-GSV171		With conical cable glands, opaque lid
	SIL-GSX171		With premoulded cable entries, opaque lid
	SIL-GSL171		Plain sides, opaque lid
	SIL-GSVT171		With conical cable glands, transparent lid
	SIL-GSXT171		With premoulded cable entries, transparent lid
	SIL-GSLT171		Plain sides, transparent lid
	TYPE: 55GS171		
IP65-IP67	Cable entries: 6xM25 - 4xM25/40		

	Commercial Ref.		
	SIL-GSV231		With conical cable glands, opaque lid
	SIL-GSX231		With premoulded cable entries, opaque lid
	SIL-GSL231		Plain sides, opaque lid
	SIL-GSVT231		With conical cable glands, transparent lid
	SIL-GSXT231		With premoulded cable entries, transparent lid
	SIL-GSLT231		Plain sides, transparent lid
	TYPE: 55GS231		
IP65-IP67	Cable entries: 4xM25 - 6xM25/40		

	Commercial Ref.		
	SIL-GSV322		With conical cable glands, opaque lid
	SIL-GSX322		With premoulded cable entries, opaque lid
	SIL-GSL322		Plain sides, opaque lid
	SIL-GSVT322		With conical cable glands, transparent lid
	SIL-GSXT322		With premoulded cable entries, transparent lid
	SIL-GSLT322		Plain sides, transparent lid
	TYPE: 55GS322		
IP65-IP67	Cable entries: 12xM25/40		



Dimensions:
108x108x64 mm

Commercial Ref.

SIL-40892

Tight box with premoulded cable entries

Components

U.	Description	Poles	In.(A)	Voltage (V)
1	IP65-IP67 SIL-EX111 tight junction box			
1	IP44 Schuko type socket	2P+E	16	220



Dimensions:
162x116x76 mm

Commercial Ref.

SIL-41045

Tight box with plain sides

Components

U.	Description	Poles	In.(A)	Voltage (V)
1	IP65-IP67 SIL-EL161 tight junction box			
1	IP44 panel mounting sloping sockets	3P+N+E	16	380
1	IP44 Schuko type socket	2P+E	16	220



Dimensions:
162x116x76 mm

Commercial Ref.

SIL-41948

Tight box with plain sides

Components

U.	Description	Poles	In.(A)	Voltage (V)
1	IP65-IP67 SIL-EL161 tight junction box			
1	IP44 panel mounting sloping sockets	3P+N+E	32	380
1	IP44 Schuko type socket	2P+E	16	220



Dimensions:
162x116x76 mm

Commercial Ref.

SIL-41493

Tight box with plain sides

Components

U.	Description	Poles	In.(A)	Voltage (V)
1	IP65-IP67 SIL-EL161 tight junction box			
2	IP44 Schuko type socket	2P+E	16	220



Dimensions:
175x151x95 mm

Commercial Ref.

SIL-40936

Tight box with plain sides

Components

U.	Description	Poles	In.(A)	Voltage (V)
1	IP65-IP67 SIL-EL171 tight junction box			
1	IP44 panel mounting sloping sockets	3P+E	16	380
2	IP44 Schuko type socket	2P+E	16	220



Dimensions:
241x180x95 mm

Commercial Ref.

SIL-43377

Tight box with plain sides

Components

U.	Description	Poles	In.(A)	Voltage (V)
1	IP65-IP67 SIL-EL231 tight junction box			
1	IP44 panel mounting sloping sockets	3P+N+E	16	380
2	IP44 Schuko type socket	2P+E	16	220



Dimensions:
241x180x95 mm

Commercial Ref.

SIL-43371

Tight box with plain sides

Components

U.	Description	Poles	In.(A)	Voltage (V)
1	IP65-IP67 SIL-EL231 tight junction box			
1	IP44 panel mounting sloping sockets	3P+N+E	32	380
2	IP44 Schuko type socket	2P+E	16	220



Dimensions:
241x180x95 mm

Commercial Ref.

SIL-42054

Tight box with plain sides

Components

U.	Description	Poles	In.(A)	Voltage (V)
1	IP65-IP67 SIL-EL231 tight junction box			
2	IP44 panel mounting sloping sockets	3P+N+E	16	380
2	IP44 Schuko type socket	2P+E	16	220



Dimensions:
180x241x95 mm

Commercial Ref.

SIL-43322

Tight box with plain sides

Components

U.	Description	Poles	In.(A)	Voltage (V)
1	IP65-IP67 SIL-EL231 tight junction box			
1	IP44 panel mounting sloping sockets	3P+N+E	16	380
3	IP44 schuko type socket	2P+E	16	220



Dimensions:
241x180x95 mm

Commercial Ref.

SIL-42209

Tight box with premoulded cable entries

Components

U.	Description	Poles	In.(A)	Voltage (V)
1	IP65-IP67 SIL-EX231 tight junction box			
1	IP44 panel mounting sloping sockets	3P+E	16	380
1	IP44 panel mounting sloping sockets	3P+N+E	16	380
3	IP44 Schuko type socket	2P+E	16	220

OTHER COMBINATIONS AVAILABLE UPON REQUEST



Dimensions:
175x151x95 mm

Commercial Ref.

SIL-40427

Tight box with plain sides

Components

U.	Description	Poles	In.(A)	Voltage (V)
1	IP65-IP67 SIL-EL171 tight junction box			
4	IP44 Schuko type socket	2P+E	16	220



Dimensions:
241x180x95 mm

Commercial Ref.

SIL-42129

Tight box with plain sides

Components

U.	Description	Poles	In.(A)	Voltage (V)
1	IP65-IP67 SIL-EL231 tight junction box			
1	IP44 panel mounting sloping sockets	3P+E	16	380
4	IP44 Schuko type socket	2P+E	16	220



Dimensions:
328x239x129 mm

Commercial Ref.

SIL-43369

Tight box with plain sides

Components

U.	Description	Poles	In.(A)	Voltage (V)
1	IP65-IP67 SIL-EL322 tight junction box			
2	IP44 panel mounting sloping sockets	3P+N+E	32	380
4	IP44 Schuko type socket	2P+E	16	220



Dimensions:
241x180x95 mm

Commercial Ref.

SIL-41177

Tight box with plain sides

Components

U.	Description	Poles	In.(A)	Voltage (V)
1	IP65-IP67 SIL-EL231 tight junction box			
6	IP44 Schuko type socket	2P+E	16	220



Dimensions:
328x239x129 mm

Commercial Ref.

SIL-43041

Tight box with plain sides

Components

U.	Description	Poles	In.(A)	Voltage (V)
1	IP65-IP67 SIL-EL322 tight junction box			
1	IP44 panel mounting sloping sockets	3P+N+E	32	380
6	IP44 Schuko type socket	2P+E	16	220

OTHER COMBINATIONS AVAILABLE UPON REQUEST

LIGHT ACCESSORIES



Provision for internal mounting of connection terminals

Plastic and metallic mounting plates



Different mounting compositions upon request

Motor protection boxes allow installation of large elements such as transformers or industrial switches



Conical cable glands made of halogen free material (optional)

ACCESSORIES

- Conical cable glands Ø25 (50 units) **77952**
- Conical cable glands Ø25 LH (50 units) **77953**
- Conical cable glands Ø40 (50 units) **77962**
- Conical cable glands Ø40 LH (50 units) **77963**
- Metallic plate for Ref. 171 **92123**
- Metallic plate for Ref. 231 **92125**
- Inferior metallic plate for Ref. 322 **92127**
- Superior metallic plate for Ref.322 **92129**
- Polyester plate for Ref. 111 **92119**
- Polyester plate for Ref. 161 **92121**
- Polyester plate for Ref. 171 **92122**
- Polyester plate for Ref. 231 **92124**
- Inferior polyester plate for Ref. 322 **92126**
- Superior polyester plate for Ref. 322 **92128**
- 3,9 x 9,5 screw for polyester and metallic plates **92609**

■ TECHNICAL STANDARDS

IP : Protection degree against entry of foreign bodies or water to internal parts of the component.

IP_{XX} ————— Protection degree against entry of water (from 0 to 8)
 Protection degree against access of solid bodies and shock hazard protection (from 0 to 6)

■ DEGREE OF PROTECTION

IP	IP 0X	IP 1X	IP 2X	IP 3X	IP 4X	IP 5X	IP 6X
Shock hazard protection	Not protected	Protected against contact with back of hand (gauge probe diam. 50 mm.)	Protected against contact with finger (jointed metal finger diam. 12 mm. length 80 mm.)	Protected against contact with tool (gauge probe diam. 2.5 mm.)	Protected against contact with wire (gauge probe diam. 1 mm.)	Protected against contact with wire (gauge probe diam. 1 mm.)	Protected against contact with wire (gauge probe diam. 1 mm.)
Protection against entry of foreign bodies	Not protected	Solid body larger than 50 mm.	Solid body larger than 12.5 mm.	Solid body larger than 2.5 mm.	Solid body larger than 1 mm.	Dust in harmful quantities	Dust overall

■ DEGREE OF PROTECTION AGAINST ENTRY OF WATER


IP X0	IP X1	IP X2	IP X3	IP X4	IP X5	IP X6	IP X7	IP X8
Not protected	Protected against vertical dropping of water	Protected against vertical dropping of water over a component in a max. inclination degree of 15°	Protected against sprayed water	Protected against splashed water	Protected against water jets	Protected against strong water jets	Protected against temporary immersion in water	Protected against continuous immersion in water


IK : Degree of protection against impacts


IK_{XX} ————— Indication of energy rate of impact.


IK	IK 00	IK 01	IK 02	IK 03	IK 04	IK 05	IK 06	IK 07	IK 08	IK 09	IP 10
Energy rate of impact (jules)	Not protected	0.15	0.2	0.35	0.5	0.7	1	2	5	10	20

PACKING UNITS

 STAR	Commercial Ref.	Qty. x Packing	Packing
	SIL-CS4PT/PCS4PT	8	Individual
	SIL-CS6PT/PCS6PT	6	Individual
	SIL-CS9PT/PCS9PT	5	Individual
	SIL-CS12PT/PCS12PT	4	Individual
	SIL-CS18PT/PCS18PT	2	Individual
	SIL-CS26PT/PCS26PT	1	Individual

 NEW ECOLOGY	Commercial Ref.	Qty. x Packing	Packing
	SIL-CT3G	17	Individual
	SIL-CT4G	15	Individual
	SIL-CDN/CDP4PT	12	Individual
	SIL-CDN/CDP6PT	12	Individual
	SIL-CDN/CDP8PT	8	Individual
	SIL-CDN/CDP12PT	5	Individual
	SIL-CDN/CDP18PT	4	Individual
	SIL-CDN/CDP24PT	4	Individual
	SIL-CDN/CDP36PT	2	Consultar
	SIL-CDN/CDP54PT	1	Individual

 ORO	Commercial Ref.	Qty. x Packing	Packing
	SIL-BM4PT/PO	12	Individual
	SIL-BM8PT/PO	10	Individual
	SIL-BM12PT/PO	7	Individual
	SIL-BM24PT/PO	6	Individual
	SIL-BM36PT/PO	4	Individual

 LIGHT	Commercial Ref.	Qty. x Packing	Packing
	SIL-EP048	134	Multiple
	SIL-EP088	184	Multiple
	SIL-EX088	208	Multiple
	SIL-EV111	85	Multiple
	SIL-EX/EL111	88	Multiple
	SIL-EV161	45	Multiple
	SIL-EX/EL161	48	Multiple
	SIL-EV/EX/EL171	26	Multiple
	SIL-EV231	16	Multiple
	SIL-EX/EL231	18	Multiple
	SIL-EV/EX/EL322	6	Multiple
	SIL-GSV/GSX/GSL171	12	Multiple
	SIL-GSV/GSX/GSL231	3	Multiple
	SIL-GSV/GSX/GSL322	2	Multiple