



SUPER POWER

The equipment we introduce in this catalogue are designed to satisfy most of our clients' requirements to POWER explosion proof electrical equipment.

All the equipment are manufactured using the latest technologies, both mechanical and electrical, using materials able to resist in most highly corrosive environment and to ensure a modern functionality solution and a long duration of investment.



SWE - SWAE - SCE - PE

SWE - SWAE - SCE - PE series sockets and plugs are normally used in the chemical and petrochemical plants, offshore platforms, refineries and any other industries where hazardous atmospheres are potentially present.



Function

The PLUGS - SOCKETS range is used for power supply of control and electrical installations, machineries and other equipment that need to be moved often for operational and/or maintenance reasons.

The explosion-proof plugs PE series have been designed to be used, in the safe area, in combination with industrial sockets built in conformity to International Standards IEC60309, so to facilitate the power supply of explosion proof equipment connected also in the safe area (e.g. for maintenance purposes) without the necessity to have a dedicated socket. On the other side, the explosion-proof socket SWE - SWAE and SCE series have been designed to disable the insertion of an industrial plug so as to avoid any risk of supplying power inside a hazardous area to a non-protected electrical equipment.

Construction

The materials used to manufacture the PLUGS & SOCKETS series have been studied to grant the maximum protection against the highly corrosive agents present in these plants:

- the body in glass fiber reinforced polyester (GRP), provides a very high mechanical strength together with a good resistance against the UV ray effects;
- the gasket on cover grants an IP66 protection level ;
- the internal electrical components are fully sealed so as to prevent any corrosive action that could cause electrical faults;
- the wall type sockets SWE-SWAE series (all sizes) have two cable entries to allow a loop-in loop-out installation.
- all the wall type sockets SWE-SWAE series are equipped, as standard, with one stopping plugs ATEX certified and with an internal brass connecting plate.
- the wall type SWE - SWAE series and coupler type sockets SCE series can be protected with a padlock to avoid unauthorized connections.

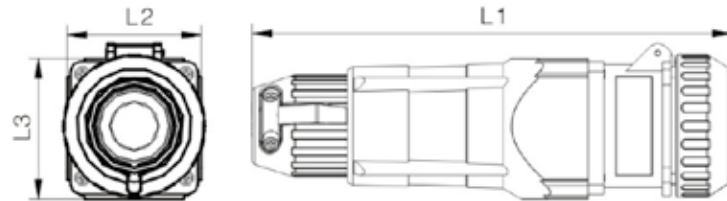


The plugs and sockets have been provided with a self-cleaning system. An elastic shutter type spring casing has been installed in the inserting sleeve of the socket which ensures low contact resistance and low temperature rise while reducing the inserting and pulling-out force.

SCE coupler type socket



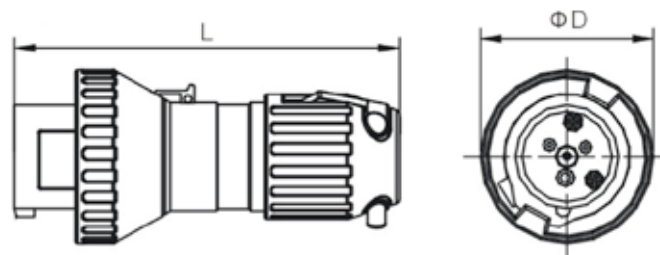
code	voltage	colour	poles		L1	L2	L3	Kg
SCE 316Y	110 -130V	Yellow	3	2P +	247	69	72	0.7
SCE 316YN	110 - 130V	Yellow	3	1P + N +	247	69	72	0.7
SCE 316B	200 - 250V	Blue	3	2P +	247	69	72	0.7
SCE 316BN	200 - 250V	Blue	3	1P + N +	247	69	72	0.7
SCE 416B	200 - 250V	Blue	4	3P +	279	90	93	0.7
SCE 416R	380 - 415V	Red	4	3P +	279	90	93	0.7
SCE 416X	480 - 500V	Black	4	3P +	279	90	93	0.7
SCE 416Z	600 - 690V	Black	4	3P +	279	90	93	0.7
SCE 516R	200 - 250V 380 - 415V	Red	5	3P + N +	279	90	93	0.7



PE plug



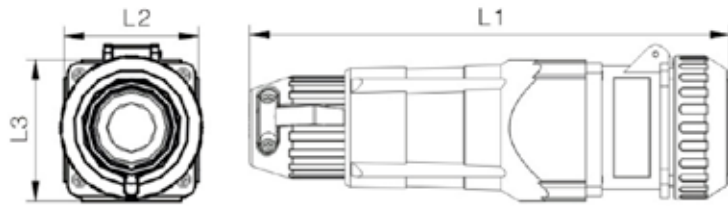
code	voltage	colour	poles		L	ø	Kg
PE 316Y	110 -130V	Yellow	3	2P +	163	73	0.35
PE 316YN	110 - 130V	Yellow	3	1P + N +	163	73	0.35
PE 316B	200 - 250V	Blue	3	2P +	163	73	0.35
PE 316BN	200 - 250V	Blue	3	1P + N +	163	73	0.35
PE 416B	200 - 250V	Blue	4	3P +	187	77	0.35
PE 416R	380 - 415V	Red	4	3P +	187	77	0.35
PE 416X	480 - 500V	Black	4	3P +	187	77	0.35
PE 416Z	600 - 690V	Black	4	3P +	187	77	0.35
PE 516R	200 - 250V 380 - 415V	Red	5	3P + N +	187	84	0.35



SCE coupler type socket



code	voltage	colour	poles	L1	L2	L3	Kg
SCE 432B	200 - 250V	●	4 3P +	333	90	90	1.7
SCE 432R	380 - 415V	●	4 3P +	333	90	90	1.7
SCE 432X	480 - 500V	●	4 3P +	333	90	90	1.7
SCE 432Z	600 - 690V	●	4 3P +	333	90	90	1.7
SCE 532R	200 - 250V 380 - 415V	●	5 3P + N +	333	90	90	1.7



PE plug

code	voltage	colour	poles	L	ø	Kg
PE 432B	200 - 250V	●	4 3P +	237	96	0.7
PE 432R	380 - 415V	●	4 3P +	237	96	0.7
PE 432X	480 - 500V	●	4 3P +	237	96	0.7
PE 432Z	600 - 690V	●	4 3P +	237	96	0.7
PE 532R	200 - 250V 380 - 415V	●	5 3P + N +	237	101	0.7

