



- Closed entry female contacts
- Two parts backshell ensuring simple wiring and maintenance
- Adaptable capacity cable clamp
- Gold plated turned contacts
- Reinforced locking ring
- Trapezoidal thread screw-locking
- Solder contacts

MAIN CHARACTERISTICS

- Please contact us for other contact terminations - for crimping
 - for soldering with earth protection
- Size 40 one piece backshell (please consult us)
- Working temperature: - 40°C / + 85°C
- Current capability: 7.5, 10, 25 and 50 Amps
- Operating voltage: to 600 Volts
- ROHS versions available - black coating (non conductive) - nickel plating (conductive)
- UL recognition n° E160967(01)
- Large selection of insert arrangements
- Robust and reliable
- Stock items





- Principally aimed at I/O applications, NO
 - the SL61 connectors are available
- F in 4 types of housing (10, 20, 30
- and 40) and 26 arrangements from
- DESCRI 2 to 61 mixed solder contacts. They are available in the following
 - configurations:
 - Plugs
 - Receptacles
 - Line mount receptacles
 - Receptacles with locking ring

Connectors are made of aluminium alloy which provides them excellent reliability and robustness. When application requires greater performances, the sealing can be improved by the use of a sprayproofing sleeve.

Robustness and reliability

- Automation
- Instrumentation
- **APPLICATION** Robotics
 - Power distribution
 - Transport
 - Entertainment (brand-lights)



Contact arrangements



REMARK: the second and the third digit of the contact arrangements (if the third exists) indicate the number of contacts in the arrangement. Ex.: 426P = 26 contacts.

Straight or right-angle backshell

	Backshell reference									
Connector size	black* (non conductive)	straight nickel* (conductive)	green cadmium (conductive)	black* (non conductive)	right-angle nickel* (conductive)	green cadmuim (conductive)				
10	47377N	47377NI	21458N	47381N	47381NI	21462N				
20	47378N	47378NI	21459N	47382N	47382NI	21463N				
30	47379N	47379NI	21460N	47383N	47383NI	21464N				
40	47380N	47380NI	21461N	47384N	47384NI	21465N				

* Black and Nickel backshells are ROHS compliant

- Straight or right-angle backshells are delivered with different clamping pads.

- Green backshells (conductive finish) are delivered with metallised clamping pads.

Accessories



- Caps and sealing sleeves are ROHS compliant

OVERALL DIMENSIONS

Straight plug

Right angle plug

Straight female plug

Right-angle male plug

D

SOCAPEX

øG

R



Straight male plug



Right-angle female plug



size	0 ø A - 0,2 (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)		G (mm)		H (mm)	J (mm)	K (mm)	L (mm)	M (mm)	N (mm)	R (mm)	S (mm)	T (mm)	W (mm)	Y (mm)
10	27.5	61.9	52.9	47.9	45.5	38.9	5-7	7-9		57.4	48.4	21	53.5	57.9	24	4.5	16.5	3.2	19	25
20	36.5	66.5	59.8	55.5	51.5	48.8	6-8	9-11	12-14	62	55.3	28.1	61	59.8	32	4.5	25.5	3.5	24	31
30	51.5	88.5	80.8	68.5	55.5	60.8	10-12	13-16	17-20	82	74.3	42.2	82	80.8	45	6.5	35.5	3.5	34	46
40	64.5	86.5	78.8	76.5	62.5	68.8	14-18	19-23	24-30	79	71.3	52.2	80	79.6	54	7.5	47	3.5	41	56

G: flanges equipped with different clamping pads delivered with the backshells.

In-line receptacle



In-line female receptacle



Receptacle

Male receptacle



receptacle with locking ring

Female

3,5 max

A



Male receptacle

Female receptacle with locking ring



Square flange of receptacle





SL 61

Plug and Inline receptacle (backshell sets included)

-						
ROHS Part Numbers :	nickel plate	d or	blac	k co	ated	
SL series	SL	D	F	Μ	D	319L
D: Black coating Blank: Nickel plating						
F: plug or inline recepta	cle					
Type of contact: M: Male F: Female						
D: plug + straight backs DR: inline receptacle + s C: plug + right angle ba	traight backsl	nell				
Contact Arrangement (s	see page 2)					
Blank: Black coating NI: Nickel plating						

Non ROHS Part Nur	mbers : c	lear	cadn	nium	n plated
SL series	SL	F	Μ	D	319L
F : plug or inline recep	otacle				
Type of contact: M: Male F: Female					
D: plug + straight bac DR: inline receptacle +		backs	hell		

C: plug + right angle backshell Contact Arrangement (see page 2)

Panel mount receptacle and receptacle with locking ring

ROHS Part Numbers : nickel plated or black coated

SL series	SL	D	Е	F	319L	
D: Black coating Blank: Nickel plating						
E: receptacle or receptacle w	ith loc	king r	ing			
Type of contact: M: Male F: Female						
Blank: Receptacle E: Receptacle with locking rir	ng					
Contact Arrangement (see page	ge 2)					
Blank: Black coating NI: Nickel plating						
Add "MA" for tin plated rete ring (grounding)	ntion					

Non ROHS Part Numbers : clear cadmium plated

SL series SL E	E F	319L
E: receptacle or receptacle with locking ring		
Type of contact: M: Male F: Female		
Blank: Receptacle E: Receptacle with locking ring		
Contact Arrangement (see page 2)		
Add "MA" for tin plated retention ring (grounding)		

Comment : Panel gasket is delivered with the receptacle

Comment : Panel gasket is delivered with the receptacle

Body of plug and inline receptacle

With those part numbers the straight and right angle backshells are not included. To define part numbers of backshells, please to consult page 2.

ROHS Part Numbers : nickel plated or black coated

		_	_		
SL series	SL	D	В	Μ	319L
D: Black coating Blank: Nickel plating					
Body of plug or inline rece	eptacle				
Type of contact: M: Male F: Female					
Blank: Body of plug R: Body of inline receptacl	e				
Contact Arrangement (see	page 2)				
Blank: Black coating NI: Nickel plating					

SL series	SL	В	Μ	319L
Body of plug or inline receptacle				
Type of contact: M: Male F: Female				
Blank: Plug R: inline receptacle				
Contact Arrangement (s	ee page 2	2)		

Do not hesitate to contact us for further information

Amphenol Socapex

948, Promenade de l'Arve - BP 29 F - 74311 Thyez Cedex Tel.: +33 (0) 4 50 89 28 00 - Fax: +33 (0) 4 50 96 29 75 http://www.amphenol-socapex.com