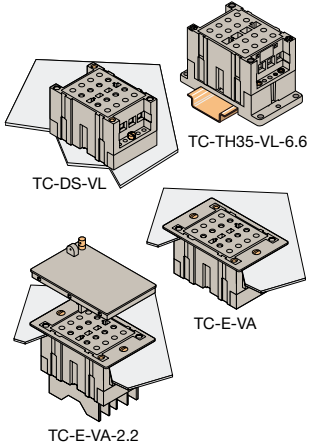


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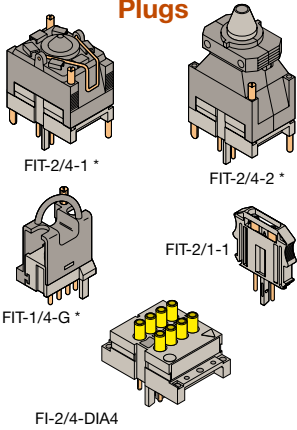
Voltage range



Sockets

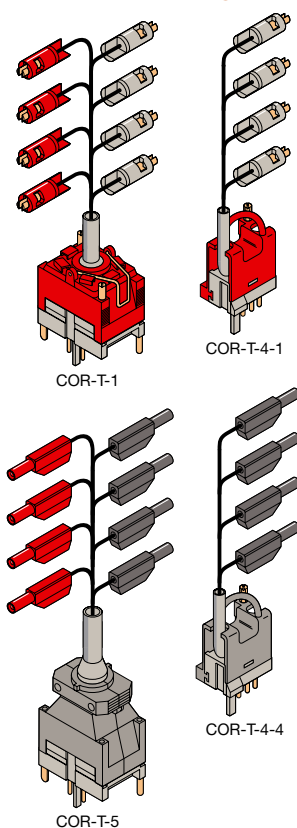


Plugs



* The BRE contacts pins are to be ordered separately

Prewired plugs



Contacts: - Make before break
- Opened
- Closed

Voltage range color code: Grey ☐
Body: Polycarbonate
Conductive parts: Silver-plated

Technical data

IEC 947-1				
		Socket		Plug
		Screw clamp (VL)	Ring-tongue (VA)	Pin BRE
Connecting capacity		0.2 - 6 mm ²		
Rigid conductor		0.22 - 4 mm ²	0.34 - 10 mm ²	
Flexible conductor		9.5 mm / .370"		
Wire stripping length				See Datasheet 1SNC 169 040 D1701
Recommended screwdriver		4 mm / .157"		
Recommended torque		0.5-0.8 Nm / 4.4-7.1 lb.in		
Width			Ø 3 mm	
Rated voltage			7.5 mm	
Impulse withstand voltage			400 V	
Pollution degree			4 KV	
Rated current			3	
Short-circuit current			8 A	
Storage temperature range			25 A/5 s - 800 A/25 ms	
Working temperature range			-25 °C ~ +70 °C	
Front panel protection			-10 °C ~ +55 °C	
		with cover	IP40	
		without cover	IP20	

Ordering details

Description		Type	Order code		Packaging	Weight kg
Sockets (a)						
TH35 rail mounting short circuited contacts	Screw	TC-TH35-VL	1SNA 166 964 R0000		1	0.11
Half-base mounting / base mounting	Screw					
opened contacts		TO-DS-VL	1SNA 166 741 R0400		1	0.1
short-circuited contacts		TC-DS-VL	1SNA 166 742 R0500		1	0.1
closed contacts		TF-DS-VL	1SNA 166 503 R2700		1	
Flush mounting	R.tongue					
opened contacts		TO-E-VA	1SNA 166 743 R0600		1	
short-circuited contacts		TC-E-VA	1SNA 166 747 R0200		1	0.14
closed contacts		TF-E-VA	1SNA 166 745 R0000		1	
Half-base mounting	R.tongue					
opened contacts		TO-D-VA	1SNA 166 744 R0700		1	
short-circuited contacts		TC-D-VA	1SNA 166 748 R1300		1	
closed contacts		TF-D-VA	1SNA 166 746 R0100		1	0.12
Reverse mounting	R.tongue					
opened contacts		TO-I-VA-2	1SNA 166 945 R2100		1	
Flush mounting with lid	R.tongue					
short-circuited contacts and pre-coded 2.2		TC-E-VA-2.2	1SNA 166 627 R2200		1	0.15
Other preequipped sockets: consult us						
Plugs						
Plug 2 poles with 2.5 mm ² pins		FIT-2/1-1	1SNA 166 821 R1500		1	
Plug 2x4 poles (b)		FIT-2/4-2	1SNA 166 937 R1100		1	0.11
Plug 2x4 poles (b)		FIT-2/4-1	1SNA 166 550 R0100		1	0.09
Plug 2x4 poles, reverse mounting I (b)		FIT-2/4-1	1SNA 166 672 R0700		1	
Plug 4 poles - insertion 1-2-3-4 (c)		FIT-1/4-G	1SNA 166 547 R2200		1	
Plug 4 poles - insertion 01-02-03-04 (c)		FIT-1/4-D	1SNA 166 546 R2100		1	
Plug 2x4 poles, with direct insertion Dia. 4 mm		FI-2/4-DIA4	1SNA 167 936 R1100		1	0.064
Other 2 poles plugs: consult us						
Please refer to selection guide for socket compatibility						
Prewired plugs (d)						
4 poles prewired plug made of:						
1 plug 4 poles	Grey ☐	COR-T-4-1	1SNA 166 640 R1300		1	
4 bayonet security test plugs	Grey ☐	FIT-1/4-D				
		FCB..				
4 poles prewired plug made of:						
1 plug 4 poles	Grey ☐	COR-T-4-4	1SNA 167 935 R1000		1	
4 x Ø 4 mm test plugs	Black ☐	FIT-1/4-D				
		FC4-5				
2x4 poles prewired plug made of:						
1 plug 2x4 poles (pre-coded: 2.2)	Grey ☐	COR-T-1	1SNA 166 639 R0600		1	0.87
4 bayonet security test plugs	Red ☐	FIT-2/4-1				
4 bayonet security test plugs	Grey ☐	FCB..				
		FCB..				
2x4 poles prewired plug made of:						
1 plug 2x4 poles (pre-coded: 2.2)	Grey ☐	COR-T-5	1SNA 167 933 R1600		1	0.87
4 x Ø 4 mm test plugs	Black ☐	FIT-2/4-2				
		FC4-5				
4 x Ø 4 mm test plugs	Red ☐	FC4-4				

(a) The various accessories necessary for each mounting option are supplied with the socket as well as the 2 coding pins COP-E-1 (see coding section). For reverse mounting sockets drawing, refer to "Outer dimensions, mounting instructions" section.

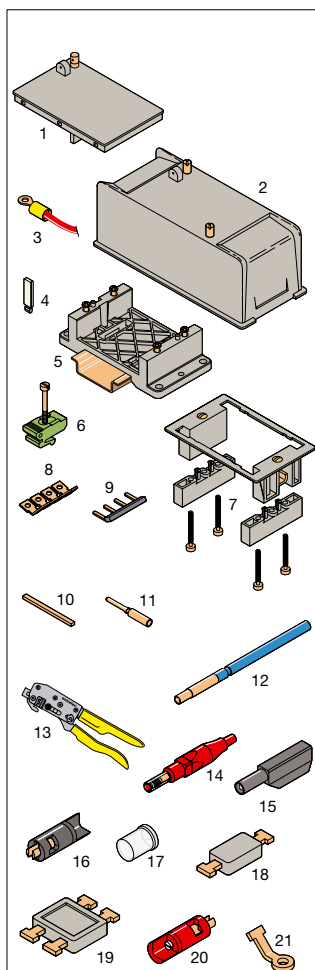
(b) Plugs supplied with 8 locking pins and 2 coding pins COP-F-1, the BRE contacts pins are to be ordered separately.

(c) Plugs supplied with 4 locking pins, the BRE contacts pins are to be ordered separately.

(d) Cable length: 2m / 6.6" - Conductors section: 2.5 mm², all conductors marked (marking starting with 0 on the equipment side). **Caution:** The prewired test leads must be connected to the equipment prior to the insertion of the ESSAILEC® prewired plug on the socket.

ESSAILEC®

Voltage range



Accessories

Rep.	Description	Type	Order code	Packaging	Weight kg
For sockets					
1	Lid	CPT-1	1SNA 166 646 R0500	1	
	Lid with electrical continuity	CPT-2	1SNA 166 577 R2000	1	
2	Cover (a)	CPT-5	1SNA 166 930 R2600	1	0.07
	Cover with electrical continuity (a)	CPT-4	1SNA 166 733 R2400	1	0.08
3	Ring-tongue lug for 10 mm² wire	CS-10	1SNA 167 700 R1100	10	
4	Socket interlocking peg	CVABM	1SNA 183 436 R0500	10	
5	TH35 rail mounting kit	KEM-3	1SNA 166 962 R0000	10	0.02
6	Mounting kit for DIN 1 rail (a)	FX	1SNA 167 682 R2300	10	
7	Replacement kit for flush mounting (b)	KEM-1	1SNA 166 928 R2000	50	0.02
8	Comb-type jumper bar (b)	PCVA	1SNA 167 496 R1100	10	
9	Comb-type jumper bar IP20 (c)	PCVL	1SNA 167 681 R2200	10	
10	Jumper bar for 2 sockets (c)	BJ-VL	1SNA 167 680 R0500	10	
For plugs					
11	Pin 0.22-0.34 mm²	BRE-T-0.34	1SNA 168 160 R1400	50	
	Pin 0.75 mm²	BRE-T-0.75	1SNA 167 779 R1300	50	
	Pin 1 mm²	BRE-T-1	1SNA 164 921 R1700	50	
	Pin 1.5 mm²	BRE-T-1.5	1SNA 164 922 R1000	50	
	Pin 2.5 mm²	BRE-T-2.5	1SNA 164 923 R1100	50	
	Pin 6 mm²	BRE-T-6	1SNA 168 147 R0300	50	
12	Pin extraction tool	EXBR1	1SNA 167 008 R0300	1	
13	Crimping tool for BRE pins	1 to 2.5mm² PSC	1SNA 173 181 R1300	1	
For test					
	Ø 4 mm test plugs				
14	IP20 with mobile protection	Red ■ FC4-1	1SNA 167 927 R1000	10	0.01
		Black ■ FC4-5	1SNA 167 931 R1400	10	0.01
15	IP20 with permanent protection	Red ■ FC4-4	1SNA 167 930 R2700	10	0.01
		Black ■ FCB-1	1SNA 167 690 R0700	10	0.01
16	Bayonet security test plug	Red ■ FCB-2	1SNA 167 692 R2500	10	0.01
17	Isolating cap for FCB plug	CA	1SNA 167 697 R2200	10	
18	Straight adaptor	IR1	1SNA 167 622 R2600	5	
19	H adaptor	IR2	1SNA 167 623 R2700	5	
20	Isolating cap for IR1 & IR2 adaptors	DI	1SNA 167 981 R1700	10	0.01
21	Adaptor between FCB plug and ring-tongue test interface	IR3	1SNA 167 624 R2000	10	

(a) Compatible with base mounting only.

(b) Compatible with ring-tongue connection type socket only (VA).

(c) Compatible with screw connection type socket only (VL).

Selection guide

Mounting	Sockets	Lids		Covers		Plugs						
		CPT-1	CPT-2	CPT-5	CPT-4	FI-2/4-DIA4 Universal plug	FIT-2/4-2	FIT-2/4-1	FIT-1/4-D	FIT-1/4-G	FIT-2/4-I reverse mounting I	
TH35 Rail	TC-TH35-VL	●	●	●	●	●	●	●	●	●		
Base Half-base	TO-DS-VL		●		●*	●	(●)	(●)	●	●		
	TC-DS-VL	●		●*		●	●	●	(●)	(●)		
	TF-DS-VL	●		●*		●			●	●		
Flush	TO-E-VA		●			●	(●)	(●)	●	●		
	TC-E-VA	●				●	●	●	(●)	(●)		
	TF-E-VA	●				●			●	●		
Half-base	TO-D-VA		●			●	(●)	(●)	●	●		
	TC-D-VA	●				●	●	●	(●)	(●)		
	TF-D-VA	●				●			●	●		
Reverse	TO-I-VA										●	
Flush with lid	TC-E-VA-2.2					●	●	●				

* Nota: CPT-4 and CPT-5 compatible with TO-DS-VL, TC-DS-VL and TF-DS-VL sockets only in "base" mounting option.

(●) Compatible with some restrictions, please consult us.