

TELARC

YOU CAN TRUST US



CONTACTOR CATALOGUE

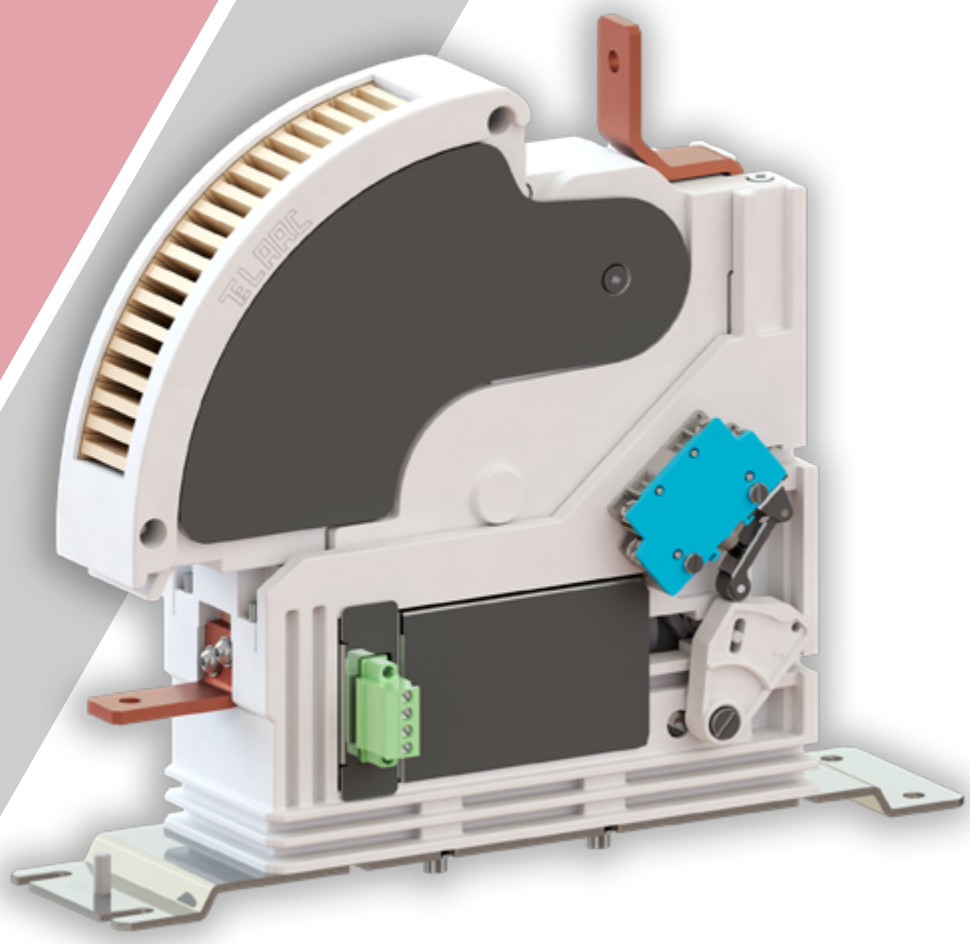


Work applications



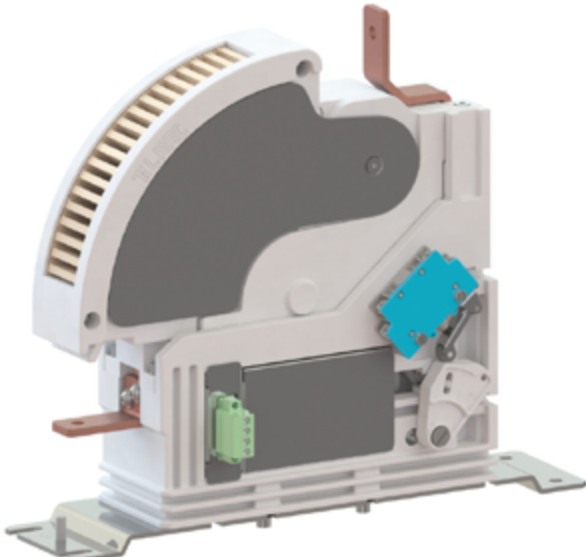
CHS Controls AB
Tel +46 42 38 61 00, Fax +46 42 38 61 29
chs@chscontrols.se www.chscontrols.se

www.telarc.it

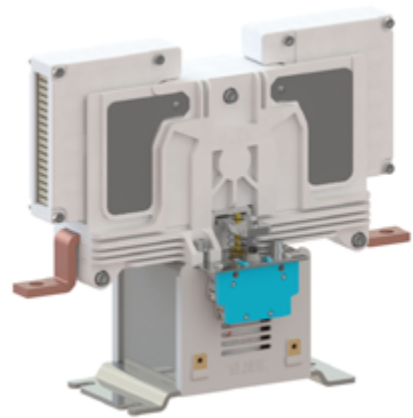


Telarc contactors

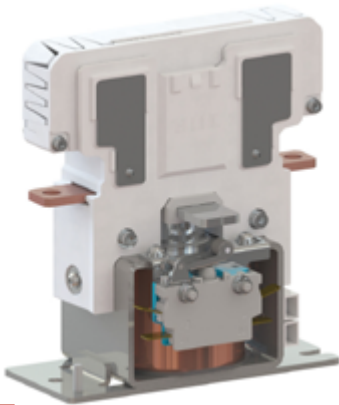
are the most complete range of devices for AC and DC current switching, up to 4000V and 1700A



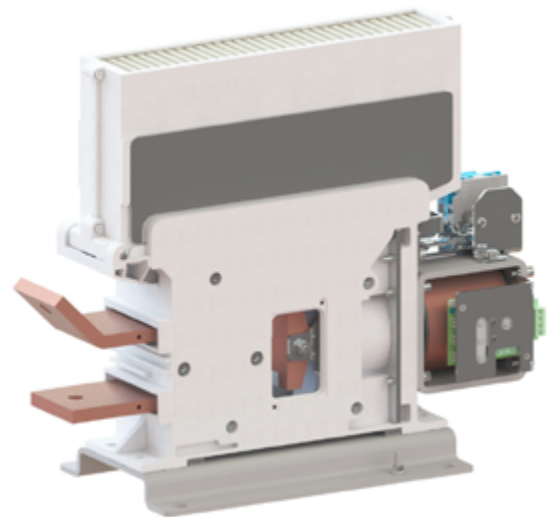
SI



SP



SC



TL

Designed to railway standards but suitable for multiple applications



Rolling stock

Our products for the railway and industrial sectors are designed to comply with strict international regulations but also taking care of our customer needs in terms of installation.



Substation equipment

We produce switches up to 4kV DC and AC current that guarantee high quality and safety standards.



Energy production

We design our products taking care of the environment around us and we use energy saving systems to allow our products to minimize power consumption during the life cycle.

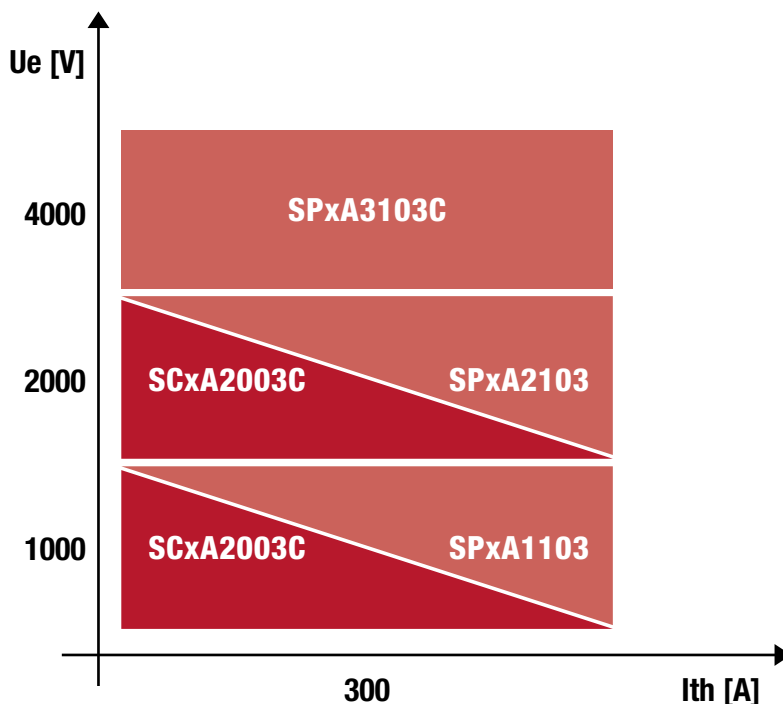


Industrial application

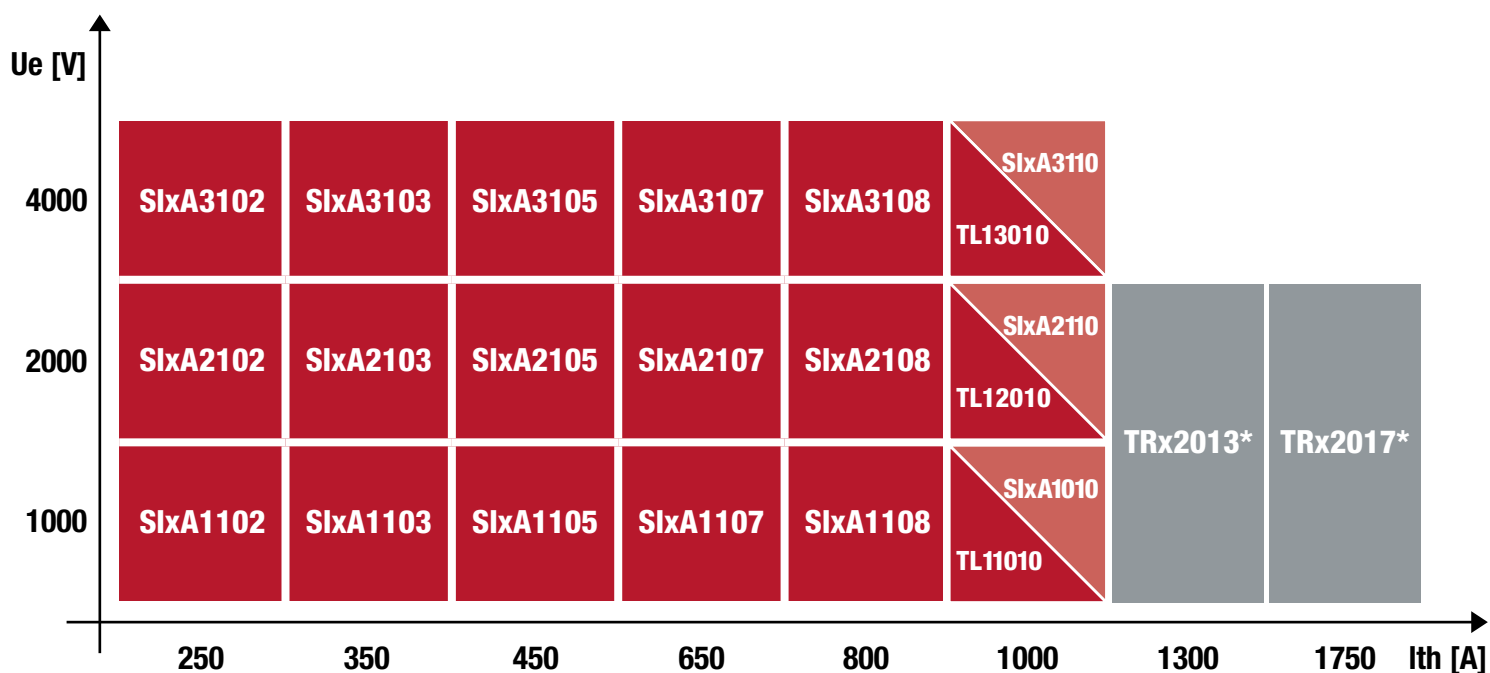
We cooperate with our Customers and we are part of their successes in various fields of application, from Railway systems, to transport people in a sustainable way, up to hydroelectric plants to produce clean energy.

A complete range of contactors from 1 to 4 poles for any need

Unidirectional Contactors



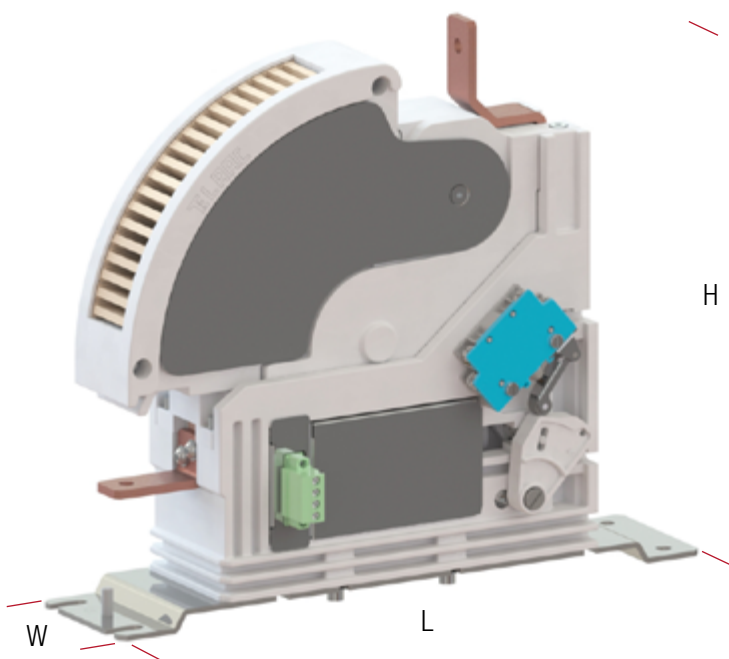
Bidirectional Contactors



No critical currents in the entire range of products

**please ask for dedicated datasheet*

SI Heavy Duty Bidirectional

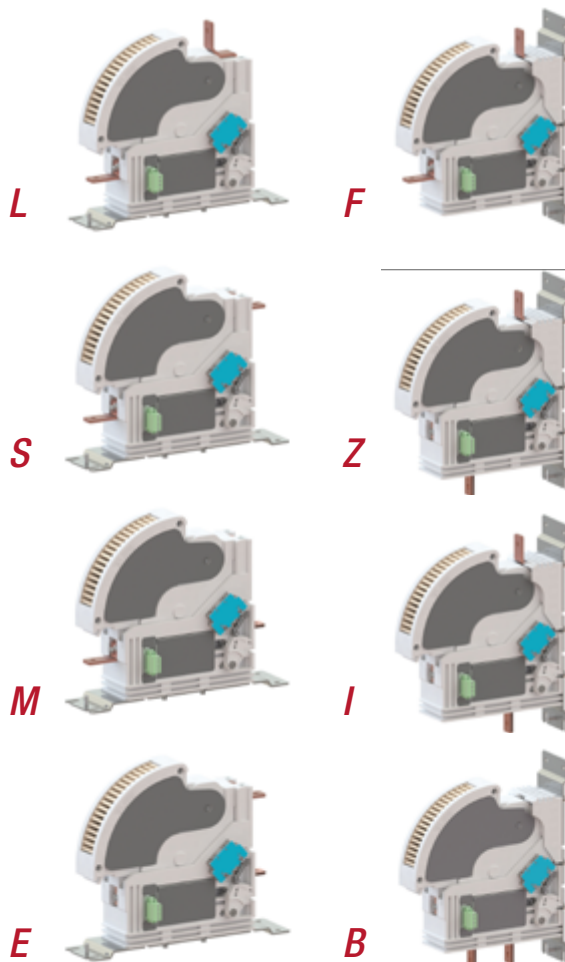


Current A	Voltage V	L mm	H mm	W per pole mm
250-350	900	240	240	60
	1800	270	270	60
	3600	300	300	60
450-800	900	270	270	75
	1800	290	290	75
	3600	315	315	75
1000	900	270	270	100
	1800	290	290	100
	3600	315	315	100

Installation

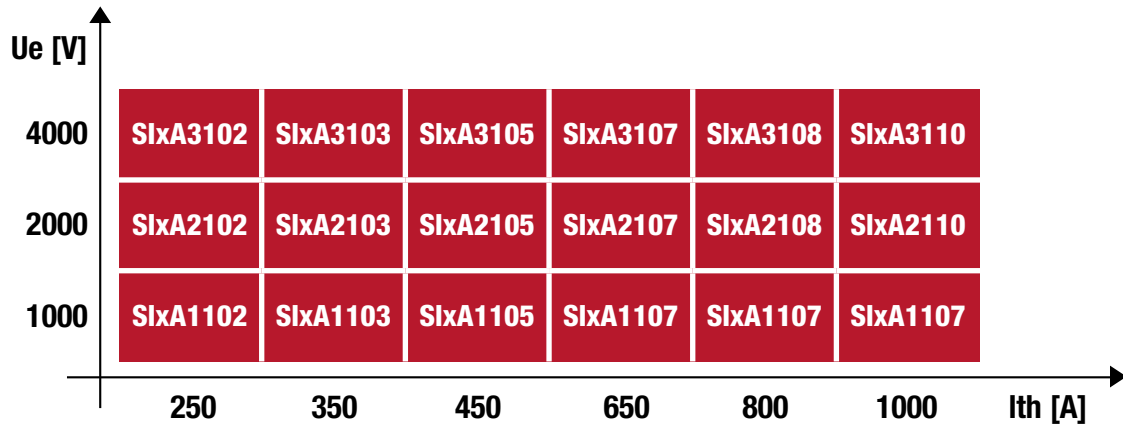
The SI contactors can be installed in different orientations and with different terminals configurations.

Every designer will easily find the proper solution. The performance is not affected by the selected installation type as the mounting direction does not change.



SI overview summary and part numbering

SI contactors cover 3 typical Railway DC or AC voltage systems and carry 8 different levels of thermal currents up to 1000 Amps per pole. They are available in Normally Open or Normally closed version.



9 Main Digits (Father Part Number)									6 Configuration Digits (Son Part Number)					
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
S	I	1	A	1	0	0	2	C	L	A	N	O	O	O

Blow out type

Indirect	I
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Number of poles (1-4)

1	1
2	2
3	3
4	4

Poles configuration

All Normally Open	A
All Normally Closed	R
NO + NC (*)	Y

Arc chute size and type

900 V, ceramic arc chute	11
1800 V, ceramic arc chute	21
3600 V, ceramic arc chute	31

Thermal current per pole @40°C

250 Amp	02
350 Amp	03
450 Amp	05
650 Amp	07
800 Amp	08
1000 Amp	10

Actuator type

Coil, electronic driven, monostable actuation, contactor functionality, on load switching	C
Closing + opening coils, bistable actuation, zero power holding, positive opening, on load swicthing allowed (*)	T

Project Digits

XX	special versions ID
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Aux Contact Model

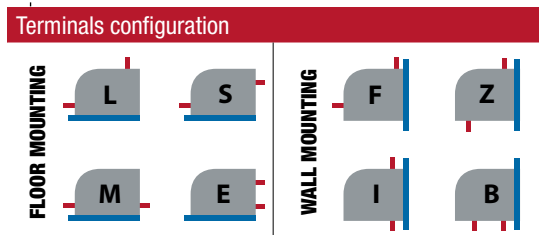
O	-		
C	PBX	Y	Others
S	S826		

No. Of aux contacts (S=screw / F=faston)

N	No aux contacts		
C	1 NO + 1 NC S	L	3 NO + 3 NC S
F	1 NO + 1 NC F	M	3 NO + 3 NC F
K	2 NO + 2 NC S	P	4 NO + 4 NC S
J	2 NO + 2 NC F	Q	4 NO + 4 NC F

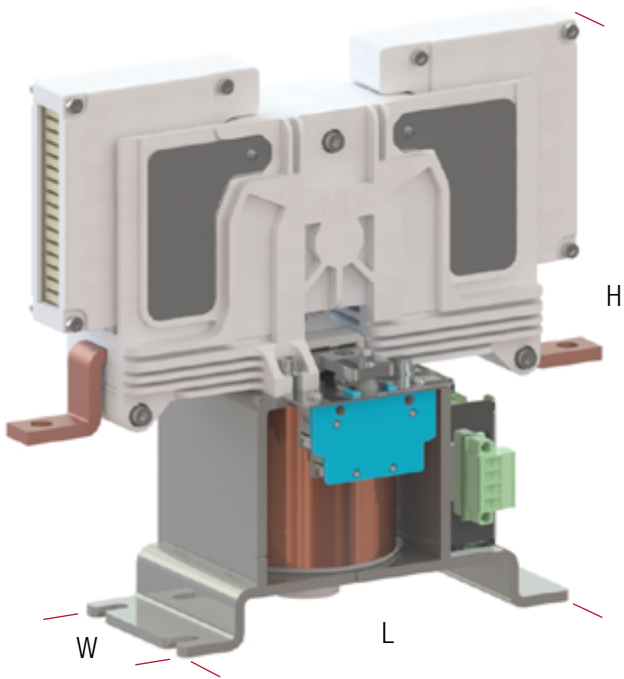
Control voltage Vc (+25%/-30%)

DC SUPPLY	A	24 V _{DC}	I	96 V _{DC}	M	132 V _{DC}
	B	36 V _{DC}	L	100 V _{DC}	F	220 V _{DC}
	C	48 V _{DC}	E	110 V _{DC}	W	250 V _{DC}
	D	72 V _{DC}	U	125 V _{DC}		
	R	24 V _{AC}	S	110 V _{AC}	T	220 V _{AC}
AC SUPPLY	Rectified AC supply to be used on DC side					



(*) Please contact us

SP Heavy Duty Unidirectional

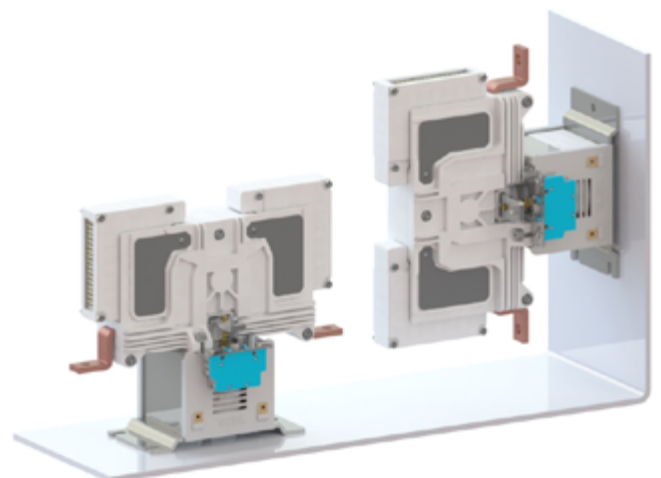


Current A	Voltage V	L mm	H mm	W per pole mm
300	900	250	180	105
	1800	250	190	105
	3600	250	190	105

For exact dimensions please refer to dedicated datasheet

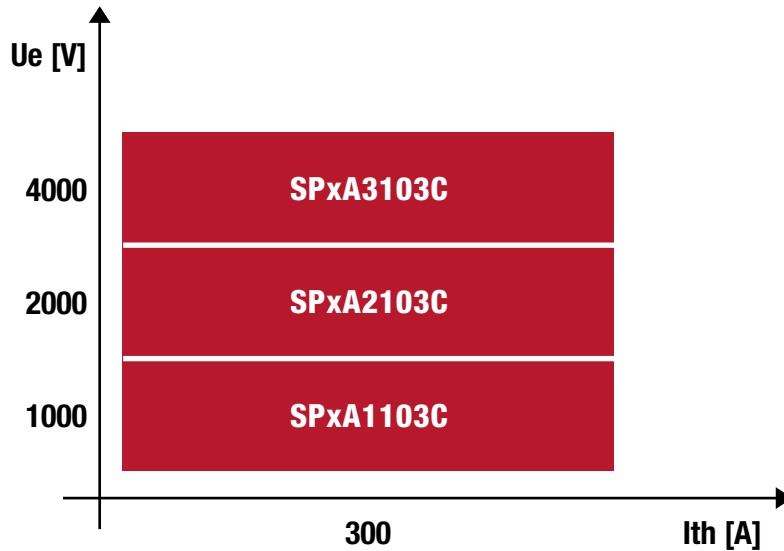
Installation

The SP contactors can be installed Horizontal or Vertical without any derating of performances.



SP overview summary and part numbering

SP contactors cover 3 typical Railway DC or AC voltage systems and can be configured as 1-2-3-4 poles units. They are available in Normally Open or Normally closed version.



10 Main Digits (Father Part Number)										5 Configuration Digits (Son Part Number)				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
S	P	1	A	1	0	0	3	C	L	A	N	O	O	O

Number of poles (1-3)

Poles configuration

Normally Open	A
Normally Closed	R

Arc chute size and type

900 V, ceramic arc chute	10
900 V, ceramic arc chute	11
900 V, ceramic arc chute - bidirectional	12
1800V, ceramic arc chute	21
1800 V, ceramic arc chute - bidirectional	22
3600 V, ceramic arc chute	31

Thermal current per pole @40°C

300 Amp	03
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Coil actuator

direct drive, monostable actuation	C
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Terminals configuration

 Standard terminals	L
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Project Digits
XX special versions ID

Aux Contact Model

O	-	Y	Others
C	PBX	V	1 c/o type
S	S826	Z	2 c/o type

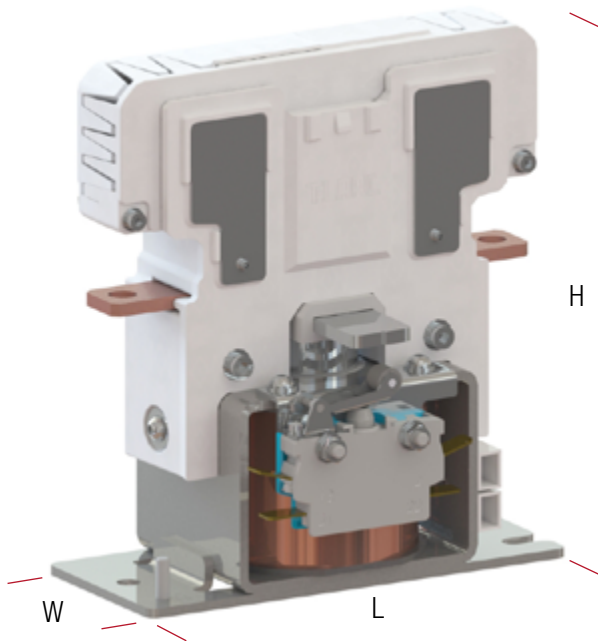
No. Of aux contacts (S=screw / F=faston)

N	No aux contacts		
C	1 NO + 1 NC S	L	3 NO + 3 NC S
F	1 NO + 1 NC F	M	3 NO + 3 NC F
K	2 NO + 2 NC S	P	4 NO + 4 NC S
J	2 NO + 2 NC F	Q	4 NO + 4 NC F

Control voltage Vc (+25%/-30%)

DC SUPPLY	A	24 V _{DC}	I	96 V _{DC}	M	132 V _{DC}
	B	36 V _{DC}	L	100 V _{DC}	F	220 V _{DC}
	C	48 V _{DC}	E	110 V _{DC}	W	250 V _{DC}
	D	72 V _{DC}	U	125 V _{DC}		
AC SUPPLY	R	24 V _{AC}	S	110 V _{AC}	T	220 V _{AC}
	Rectified AC supply to be used on DC side					

SC Light Duty Unidirectional

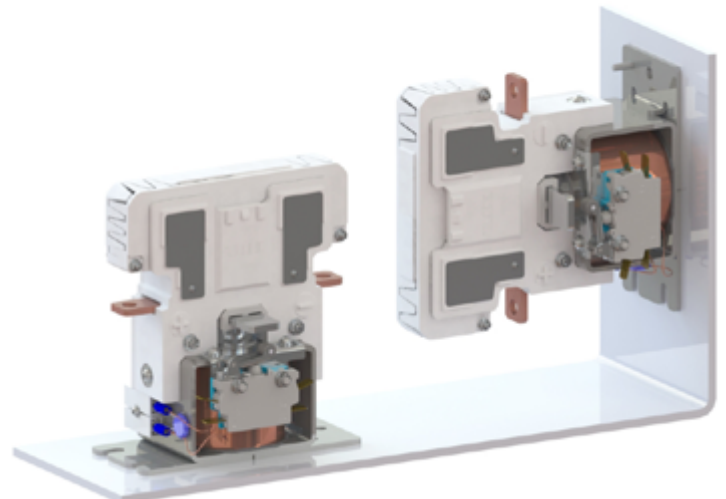


Current A	Voltage V	L mm	H mm	W per pole mm
300	900-1800	140	157	86

For exact dimensions please refer to dedicated datasheet

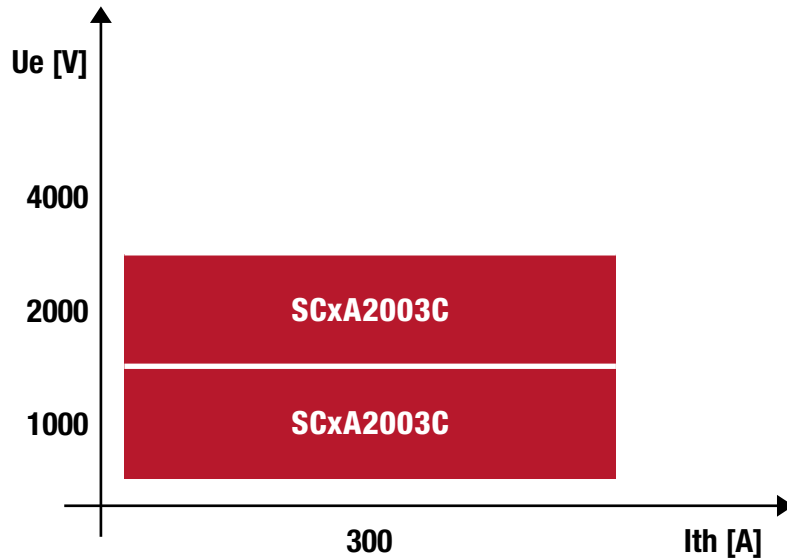
Installation

The SC contactors can be installed Horizontal or Vertical without any derating of performances.



SC overview summary and part numbering

SC contactors cover 2 typical Railway DC or AC voltage systems and can be configured as 1-2-3-4 poles units. They are available in Normally Open or Normally closed version.




10 Main Digits (Father Part Number)										5 Configuration Digits (Son Part Number)				
1	2	3	4	5	6	7	8	9	10	11	12	13	14	15
S	C	1	A	2	0	0	3	C	L	A	N	0	0	0

Number of poles (1-3)		
Poles configuration		
Normally Open		A
Normally Closed		R

Arc chute size and type		
900V/1800, plastic arc chute		20

Thermal current per pole @40°C		
300 Amp		03

Coil actuator		
direct drive, monostable actuation		C

Terminals configuration		
	Standard terminals	L

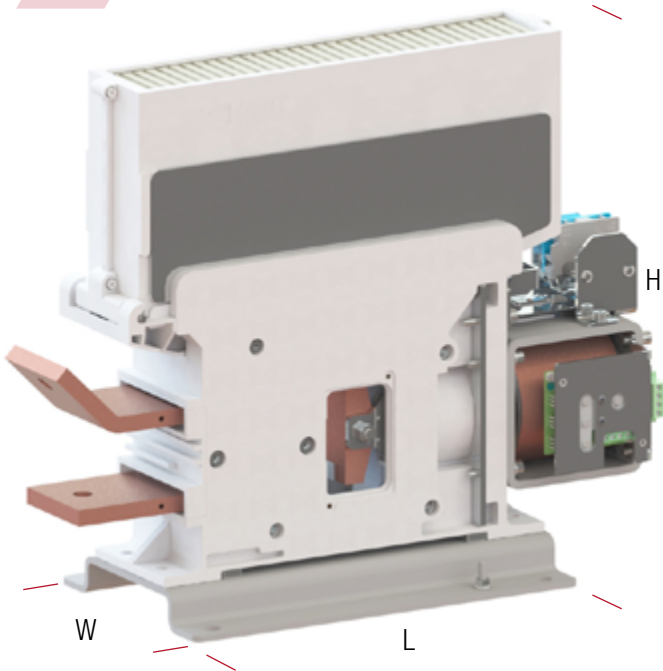
Project Digits			
XX	special versions ID		

Aux Contact Model			
O	-	Y	Others
C	PBX	V	1 c/o type
S	S826	Z	2 c/o type

No. Of aux contacts (S=screw / F=faston)			
N	No aux contacts		
C	1 NO + 1 NC S	L	3 NO + 3 NC S
F	1 NO + 1 NC F	M	3 NO + 3 NC F
K	2 NO + 2 NC S	P	4 NO + 4 NC S
J	2 NO + 2 NC F	Q	4 NO+4 NC F

Control voltage Vc (+25%/-30%)						
DC SUPPLY	A	24 V _{DC}	I	96 V _{DC}	M	132 V _{DC}
	B	36 V _{DC}	L	100 V _{DC}	F	220 V _{DC}
	C	48 V _{DC}	E	110 V _{DC}	W	250 V _{DC}
	D	72 V _{DC}	U	125 V _{DC}		
AC SUPPLY	R	24 V _{AC}	S	110 V _{AC}	T	220 V _{AC}
	Rectified AC supply to be used on DC side					

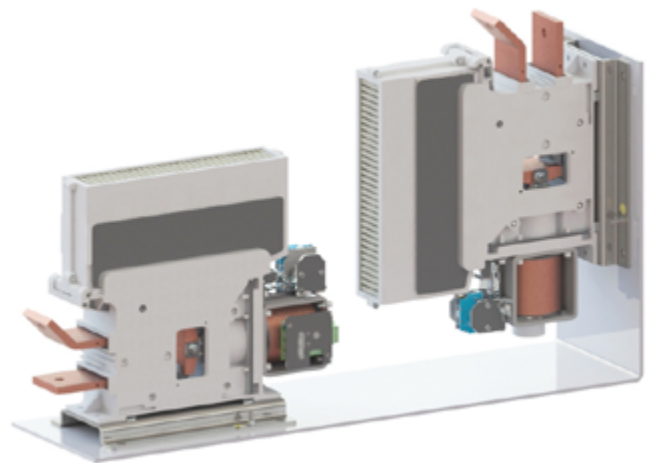
TL Heavy Duty Bidirectional



Current A	Voltage V	L mm	H mm	W per pole mm
1000	900	383	318	85
	1800	383	318	85
	3600	383	318	85

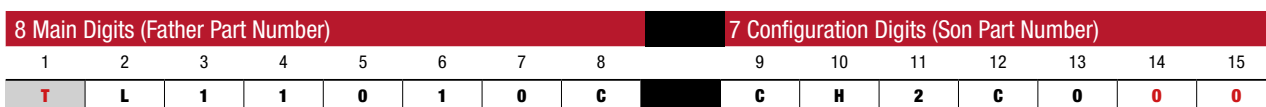
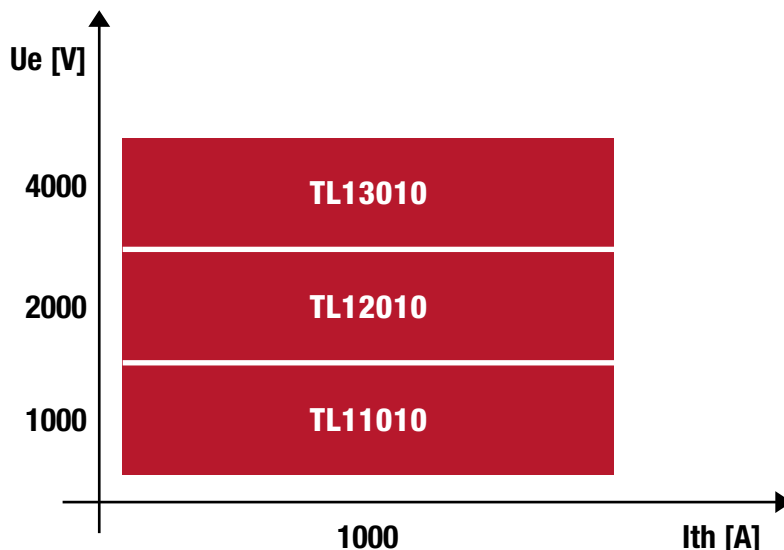
Installation

The TL contactors can be installed Horizontal or Vertical without any derating of performances (coil to the bottom).



TL overview summary and part numbering

TL contactors cover 3 typical Railway DC or AC voltage systems. Robustness and compact size are key factors for the selection.



Number of poles (1-3)

Arc chute size and type

900 V, ceramic arc chute	10
1800 V, ceramic arc chute	20
3600 V, ceramic arc chute	30

Thermal current per pole @40°C

1000 Amp	10
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Terminals configuration

	C - shape	C
	C - shape	V

Project Digits
XX special versions ID

Aux Contact Model

0	-	S	S826
C	PBX	Y	Other

No. Of aux contacts (S=screw / F=faston)

00	No aux contacts		
1C	1 NO + 1 NC S	3C	3 NO + 3 NC S
1F	1 NO + 1 NC F	3F	3 NO + 3 NC F
2C	2 NO + 2 NC S	4C	4 NO + 4 NC S
2F	2 NO + 2 NC F	4F	4 NO + 4 NC F

Mounting orientation

Floor mounting - base plate horizontal	H
Wall mounting - base plate vertical	V

Control voltage Vc (+25%/-30%)

DC SUPPLY	A	24 V _{DC}	I	96 V _{DC}	M	132V _{DC}
	B	36 V _{DC}	L	100 V _{DC}	F	220V _{DC}
	C	48 V _{DC}	E	110 V _{DC}	W	250V _{DC}
	D	72 V _{DC}	U	125 V _{DC}		
AC SUPPLY	R	24 V _{AC}	S	110 V _{AC}	T	220V _{AC}

Rectified AC supply to be used on DC side

Telarc certificated Company

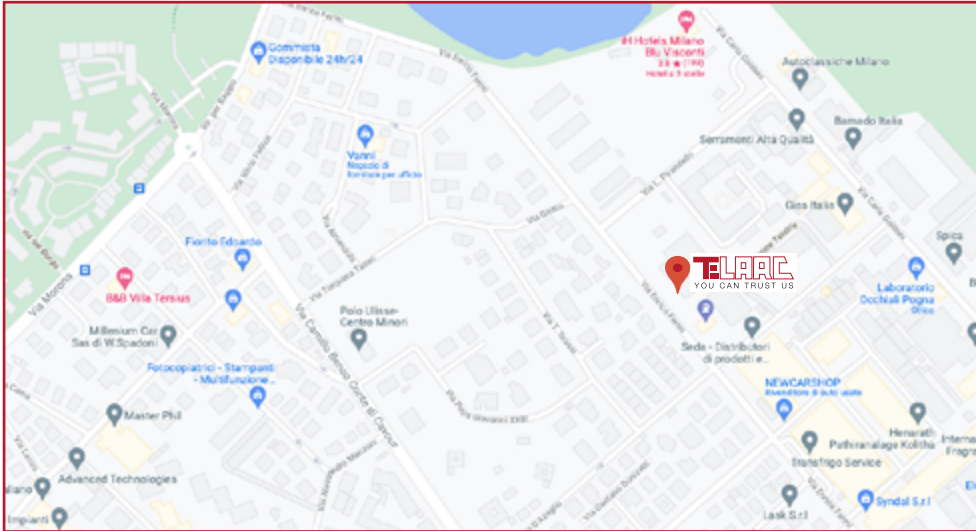


ISO 9001:2015

Our Quality Management System is certified to the high ISO (International Organization for Standardization) standards and our concept of quality extends way beyond this. We focus on total quality, which includes advanced processes and the culture of our organization.



Telarc is present with subsidiaries in other countries



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