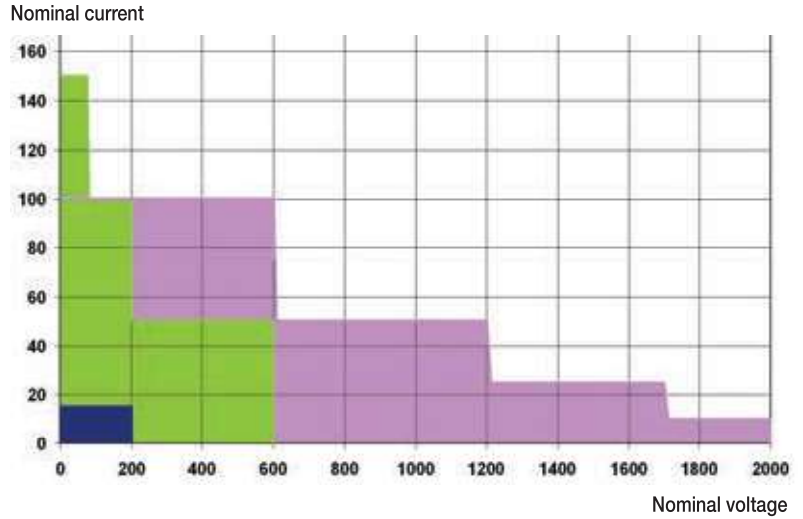


DC SOLID STATE RELAYS

These relays are designed to switch DC loads e.g solenoid valves, brakes, indicators, motors (possibly on AC mains under specific conditions). All possible technologies can be available :

- MOSFET**
For applications where overcurrent capability and low dissipated power are needed.
- BIPOLARE**
For applications where low control current is needed.
- IGBT**
For high voltage applications (> 600 VDC).



FOR EACH APPLICATION THE CORRESPONDING TECHNOLOGY !
STANDARD RANGE UP TO 1200VDC, 150A.

• Dim. 28 x 5 x 15 mm



• Dim. 29 x 12.7 x 15.7 mm

MOSFET TECHNOLOGY

Product reference	Switching current	Switching voltage	Peak voltage	Control voltage	Protection	Fig.
SLD01210	2,5A	0-60VDC	60V	3-10VDC	Transil	1
SLD03210	2,5A	0-60VDC	60V	18-32VDC		
SLD01205	4A	0-32VDC	60V	3-10VDC		
SLD02205	4A	0-32VDC	60V	7-20VDC		
SLD03205	4A	0-32VDC	60V	18-32VDC		
STD03205	2,5A	0-30VDC	60V	12-30VDC	Transil	2
STD03505	5A	0-30VDC	60V	12-30VDC		
STD03510	5A	0-68VDC	60V	12-30VDC		
STD07205	2,5A	0-30VDC	60V	12-30VDC 15-30VAC		
SPD03505	5A	0-30VDC	60V	12-30VDC		
SPD07505	5A	0-30VDC	60V	12-30VDC 15-30VAC	3	
SKLD11006	10A	7-36VDC	60V	3-10VDC	Transil	4
SKLD31006	10A	7-36VDC	60V	7-30VDC		
SCM030200	30A	0-200VDC	200V	4.5-32VDC	-	5
SCM040600	40A	0-600VDC	600V	4.5-32VDC		
SCM0100200	100A	0-200VDC	200V	4.5-32VDC		
SCM0150100	150A	0-100VDC	100V	4.5-32VDC		
SOM02060	20A	5-40VDC	60V	3.5-32VDC	Transil	6
SOM020100	20A	5-60VDC	100V	3.5-32VDC		
SOM020200	20A	5-110VDC	200V	3.5-32VDC		
SOM04060	40A	5-40VDC	50V	3.5-32VDC		
SOM040100	40A	5-60VDC	100V	3.5-32VDC		
SOM040200	40A	5-110VDC	200V	3.5-32VDC		
SOM06075	60A	5-40VDC	75V	3.5-32VDC		
ESO01000	0-80A	0-130VDC	200V	Protection against line inductance (C1, D2) : option for SOM range	Diode + capacitor	6



• Dim. 29 x 12.7 x 25.4 mm



• Dim. 43.6 x 6.3 x 24.5 mm



• Dim. 44.5 x 58.2 x 27 mm



• Dim. 45 x 58.5 x 30 mm

DC SOLID STATE RELAYS

BIPOLAR TECHNOLOGY

Product reference	Switching current	Switching voltage	Peak voltage	Control voltage	Protection
SKD10306	3A	2-60VDC	60V	3-30VDC	Diode
XKD10120	1A	2-220VDC	220V	5-30VDC	Diode
XKD10306	3A	2-60VDC	60V	5-30VDC	
XKD11306D	3A	2-60VDC	60V	3-30VDC	
XKD70306	3A	2-60VDC	60V	10-30VAC/DC	
XKD90306	3A	2-60VDC	60V	90-240VAC/DC	
SCC10506	5A	2-60VDC	60V	3-16VDC	Diode
SCC20506	5A	2-60VDC	60V	10-32VDC	
SCC21506	15A	2-60VDC	60V	10-32VDC	



• Dim. 43.2 x 10.2 x 25.4 mm



• Dim. 44.5 x 58.2 x 27 mm



• Dim. 12.2 x 76.4 x 53 mm

IGBT TECHNOLOGY

Product reference	Switching current	Switching voltage	Peak voltage	Control voltage	Protection
SCI0251700	25A	0-1700VDC	1700V	4.5-32VDC	Reverse diode
SCI0501200	50A	0-1200VDC	1200V	4.5-32VDC	Reverse diode
SCI0100600	100A	0-600VDC	600V	4.5-32VDC	Reverse diode
SDI0501700	50A	24-940VDC	1700V	24-48VDC	Depending on models : → Over-voltage protection → Load short circuit protection → Over-load temperature protection
SDI0501710	50A	24-940VDC	1700V	72-110VDC	
SDI1001700	100A	24-940VDC	1700V	24-48VDC	



• Dim. 44.5 x 58.2 x 27 mm

Products without integrated over-voltage protection (transil or VDR) or having only a Freewheel diode, must be fitted with an external overvoltage protection. The maximum operating voltage is then often reduced to the half of the specified maximum operating voltage.

**With celduc® relais,
DC power switching
under control !**



• Dim. 157 x 68 x 83 mm



On request : "ready to use" products i.e. products including integrated voltage protection, proportional controllers, DC motor reversers ... Please consult us !"

APPLICATIONS

DC power supplies (converters like choppers, inverters, ...)

Signal switching (testing equipment, ...)

Electro-magnets (induction motor braking, ...)

Heaters (air conditioning in trains, tramways, ...)

Batteries (ships, solar systems, ...)

DC Motors (travelling cranes, cranes, vehicles, ...)

