```
sc prim channel
 sc csp channel < T >
+ id
+ w_id
+ r id
+ width
+ num
+ IPC
+ waiting time
+ working time
+ partial energy
+ working energy
+ tcomm
+ tacomm
+ physical width
# ready_to_read_event
# ready_to_write_event
# ready_alt event
# ready_to_read
# ready_to_write
# enable alt events
# csp buf
# m_reader
# m writer
+ sc csp channel()
+ register port()
+ read()
+ read()
+ write()
+ read test()
+ write test()
+ register_alt()
+ get alt event()
+ operator T()
+ operator=()
+ trace()
+ kind()
# init()
```