

# Enter PIN to Unlock the Secure Element

Before the Secure Element applet can be used, a valid PIN code must be supplied from the POS using the Ethernet connection. Once the E-SDC receives a PIN code, it will try to execute the [PIN Verify APDU command](#).

## **NOTE:**

Depending on the provided PIN, the Secure Element will remain either unlocked for further use or locked until a valid PIN is entered. This means that the E-SDC should not execute the PIN Verify APDU command again as long as the communication session between the E-SDC and the smart card is open.

E-SDC will send a response to the POS based on the result of the PIN Verify command execution.

It is important to note the Secure Element interprets data as byte containing digits, so the E-SDC must perform appropriate conversion before data is sent to the Secure Element. For example, if a PIN transmitted from a POS is "2017" (0x32 0x30 0x31 0x37 in ASCII hexadecimal representation), data sent to the SE shall be 0x02 0x00 0x01 0x07.