**system** SensorPedalPosition

**features**

-- Input ports for subcomponent

mech\_pedal\_pos **: in data port** Base\_Types::Boolean;

elec\_pedal\_pos **: in data port** Base\_Types::Boolean;

-- Behavioral contracts for subcomponent

**annex** agree {\*\*

**guarantee** "Mechanical and electrical pedal position agree" **:**

**true ->** (mech\_pedal\_position = elec\_pedal\_position**;**

};

**end** SensorPedalPosition;