```
1     PROGRAM  Entry_Station
2     VAR
3         Ons1_Box_Leaving_Scale       : F_TRIG ;
4         Ons2_Box_Stopped_At_Scales   : F_TRIG ;
5     END_VAR
6
```

```
1     (*
2     * File: Entry Conveyor
3     * Author: Jaime Calvente Mieres
4     * Date: 12-08-2022
5     * Description: Program to control the box entry conveyor belt.
6     *)
7
8     (* Conditions to activate the Entry conveyor *)
9     IF  System_Active  THEN
10
11        // One shot calls
12        Ons1_Box_Leaving_Scale ( CLK := At_Scale ) ;
13
14        (* Entry conveyor activation if the system is Activated *)
15        // If not box at scale sensor or Scale sensor
16        IF  ( NOT  At_Scale  AND  NOT  At_Scale_Entry )  OR
17            ( Ons2_Box_Stopped_At_Scales . Q  AND  At_Scale_Entry )  OR
18            Ons1_Box_Leaving_Scale . Q  THEN
19            M_Entry_Convey  :=  TRUE  ;
20        END_IF
21
22        (*If scale sensor and One shot of At Scale entry
23           sensor Stop Entry conveyor*)
24        IF  At_Scale  THEN
25            M_Entry_Convey  :=  FALSE ;
26        END_IF
27
28    END_IF
29
30
31    (* Conditions to Re-Start the program after
32     a soft stop *)
33    Ons2_Box_Stopped_At_Scales ( CLK := Soft_Stop_Active ) ;
34    IF  Soft_Stop_Active  AND  M_Entry_Convey  AND  ( At_Scale  OR  At_Scale_Entry )
      THEN
35        M_Entry_Convey  :=  FALSE ;
36    END_IF
37
```