triedenie [FC5]

triedenie Properties								
General								
Name	triedenie	Number	5	Туре	FC			
Language	LAD	Numbering	Automatic					
Information								
Title		Author		Comment				
Family		Version	0.1	User-defined				
				ID				

Name	Data type	Default value	Supervi- sion	Comment
Input				
Output				
InOut				
Temp				
Constant				
▼ Return				
triedenie	Void			

Network 1: Ak sú všetky stavy v 0 setni stav INIT

```
%MB13
                                                                              %MB14
                                                        "stavy_vyloz_
male"
                                                                            "stavy_vyloz_
stredne"
%MB10
"stavy"
                   %MB11
                                       %MB12
                                                                                                  %M10.0
                 "stavy_mala"
                                    "stavy_velka"
                                                                                                 "stav_INIT"
                                                                                                    -( s )-
                                                           Byte
                                                                               Byte
Byte
                   Byte
                                       Byte
```

Network 2: Po stlačení tlačítka štart sa rozbehne pás

```
      %M10.0
      %I3.6
      %M10.0

      "stav_INIT"
      "stav_INIT"
      (R)

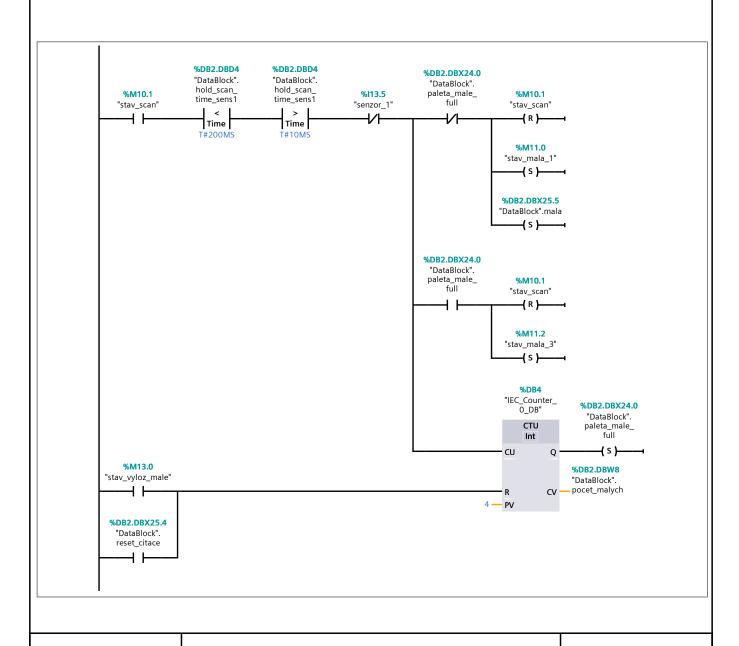
      %DB2.DBX56.0
      %M10.1
      "stav_scan"

      "DataBlock".
      "stav_scan"
      (5)
```

Network 3: Stav scan: v tomto stave scanujú oba snímače

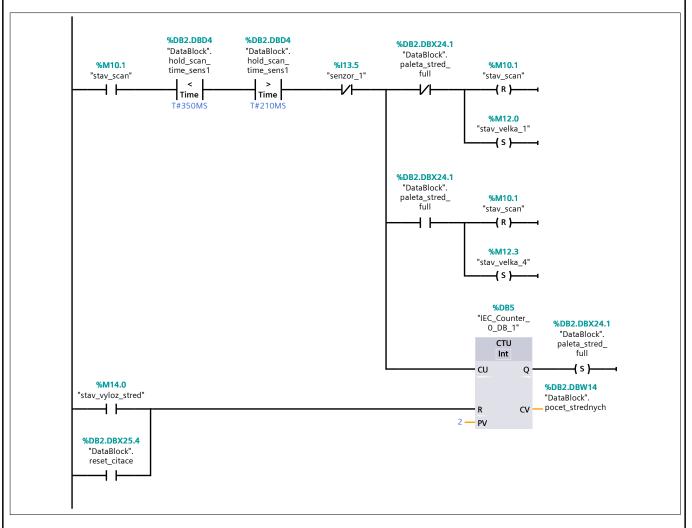
Totally Integrated **Automation Portal** %DB1 "IEC_Timer_0_DB" TON %M10.1 %I13.5 Time "stav_scan" "senzor_1" **H** F 4 F · IN Q T#2S — PT %DB2.DBD0 "DataBlock". scan_Time_ sens1 ET %DB2.DBD0 "DataBlock". scan_Time_ sens1 MOVE - ENO EN Time T#0MS %DB2.DBD0 %DB2.DBD4 "DataBlock". hold_scan_ "DataBlock". scan_Time_ _time_sens1 IN 🤮 OUT1

Network 4: scan - malá bednička



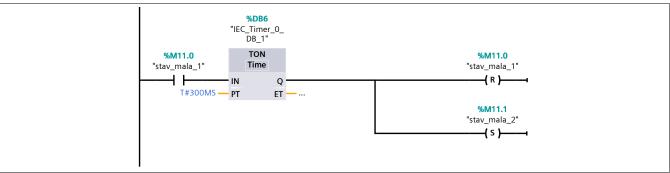
Totally Integrated
Automation Portal

Network 5: scan - stredná bednička



Network 6: scan - dlhá bednička

Totally Integrated **Automation Portal** %DB2.DBD4 "DataBlock". hold_scan_ time_sens1 %M10.1 %M10.2 %I13.5 "stav_scan" "senzor_1" "stav_dlha" -(s)-Time T#400MS MOVE EN - ENO T#0MS — IN %DB2.DBD4 "DataBlock". hold_scan_ __ time_sens1 COUT1 -%DB23 "IEC_Counter_ 0_DB_6" CTU Int CU Q %DB2.DBX25.4 %DB2.DBW20 "DataBlock". "DataBlock". reset_citace pocet_dlhych 20 — PV Network 7: Stavy pre malú bedničku - počká 300MS pokial príde malá bednička pri solenoid %DB6 "IEC_Timer_0_ DB_1" TON %M11.0 %M11.0 Time "stav_mala_1" "stav_mala_1" -(R)-- IN Q T#300MS — PT ET --- ...



Network 8: Spustenie solenoidu 1 na 500MS a návrat do stavu SCAN

> "stav_scan" ——(S)——

%DB2.DBX25.5
"DataBlock".mala

MOVE EN — ENO

😃 OUT1 -

%M13.3"stav_vyloz_
male_trigger"

-(s **)**-

%DB2.DBD4"DataBlock".
hold_scan_
_time_sens1

T#0MS — IN

%DB2.DBX24.0"DataBlock".

paleta_male_ full

Network 9: Spustenie funkcie pre vykladanie malej palety

```
%M13.3

"stav_vyloz_
male_trigger"

Wykladanie_palety_male"

EN ENO
```

Network 10: V tomto stave čakám na malú paletu

```
      %DB2.DBX24.4

      "DataBlock".

      %M11.2

      "stav_mala_3"

      spat

      "stav_mala_3"

      R )

      %M11.0

      "stav_mala_1"

      (S )
```

Network 11: Stavy pre strednú bedničku - zdetekovanie velkej bedničky pri senzore 2

Network 12: počká 500MS pokial príde stredná bednička pri solenoid

Network 13: Spustenie solenoidu 2 na 500MS a návrat do stavu SCAN

```
%DB9
                  "IEC_Timer_0_
DB_4"
                      TON
  %M12.2
                                                                              %M12.2
"stav_velka_3"
                                                                           "stav_velka_3"
    +
                                                                               (R)-
                             Q·
      T#500MS — PT
                            ET -----
                                                                              %M10.1
                                                                            "stav_scan"
                                                                              -( s )-
                                                                          MOVE
                                                                           EN - ENO
                                                                 T#0MS — IN
                                                                                           %DB2.DBD4
                                                                                           "DataBlock".
                                                                               hold_scan_
time_sens1
                                                        %DB2.DBX24.1
                                                         "DataBlock".
                                                                              %M14.3
                                                                         "stav_vyloz_
stredne_trigger"
                                                        paleta_stred_
full
                                                                               -( s )-
                                                            4 F
```

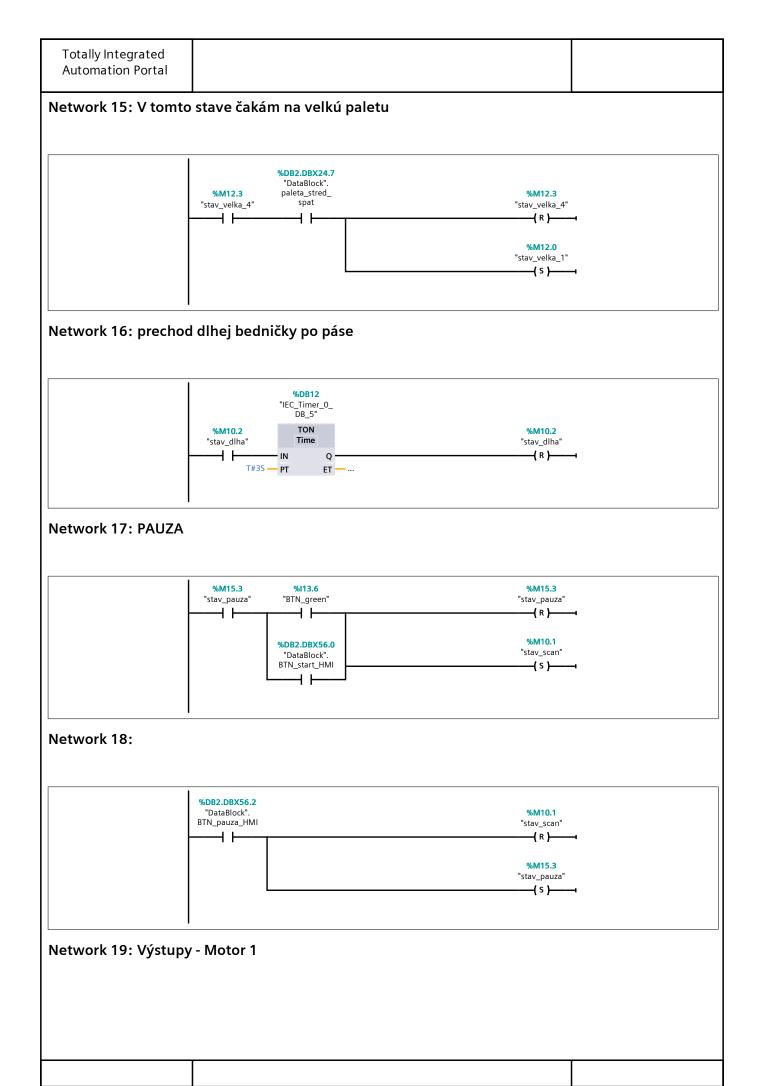
Network 14: Spustenie funkcie pre vykladanie velkej palety

```
%M14.3

"stav_vyloz_
stredne_trigger"

Wykladanie_palety_stred"

EN ENO
```



```
Totally Integrated
   Automation Portal
                                       %M10.1 "stav_scan"
                                                                                                                      %Q7.7 "motor_1"
                                          \dashv \vdash
                                                                                                                        <del>(</del> )-
                                         %M11.0
                                      "stav_mala_1"
                                           %M11.1
                                      "stav_mala_2"
                                           %M12.0
                                      "stav_velka_1"
                                          ┨┞
                                         %M12.1
                                      "stav_velka_2"
                                         \dashv \vdash
                                         %M12.2
                                      "stav_velka_3"
                                          \dashv \vdash
Network 20: Výstupy - Solenoid 1
                                                                                                                     %Q7.2 "solenoid_1"
                                         %M11.1
                                      "stav_mala_2"
                                          \dashv \vdash
                                                                                                                         <del>( )</del>—
Network 21: Výstupy - Solenoid 2
                                      %M12.2 "stav_velka_3"
                                                                                                                     %Q7.1 "solenoid_2"
                                          \dashv \vdash
                                                                                                                        <del>(</del> )-
```