ation Portal

# brama\_V17 / PLC\_1 [CPU 1212C AC/DC/Rly] / Program blocks

## BramaFun [FB2]

BramaFun Properties									
General									
Name	BramaFun	Number	2	Туре	FB	Language	LAD		
Numbering	Automatic								
Information									
Title		Author		Comment		Family			
Version	0.1	User-defined ID							

BramaFun	Data tura	Default value	Datain	A accesible	14/	Vicible in	Catnaint	Cumami	Camamana
Name	Data type	Default value	Retain	Accessible from HMI/OPC UA/Web API	able	HMI engi- neering		Supervi- sion	Comment
<b>▼</b> Input									
przycisk	Bool	false	Non-retain	True	True	True	False		
foto1	Bool	false	Non-retain	True	True	True	False		
foto2	Bool	false	Non-retain	True	True	True	False		
clock	Bool	false	Non-retain	True	True	True	False		
▼ Output									
lampa	Bool	false	Non-retain	True	True	True	False		
▼ InOut									
silnik2_open	Bool	false	Non-retain	True	True	True	False		
silnik1_open	Bool	false	Non-retain	True	True	True	False		
silnik1_close	Bool	false	Non-retain	True	True	True	False		
silnik2_close	Bool	false	Non-retain	True	True	True	False		
<b>▼</b> Static									
open	Bool	false	Non-retain	True	True	True	False		potwierdzenie - brama ot- warta
close	Bool	1	Non-retain	True	True	True	False		potwierdzenie - brama zam knieta
stan_bramy	USInt	0	Non-retain	True	True	True	False		0 - nic, 1 - otwieranie, 2 - zamykanie
przycisk_zbocze	Bool	false	Non-retain	True	True	True	False		
silnik2_open_zbocze	Bool	false	Non-retain	True	True		False		
silnik1_close_zbocze	Bool	false	Non-retain	True	True		False		
TON_out	Bool	false	Non-retain	True	True		False		
TON_out_zbocze	Bool	false	Non-retain	True	True	True	False		
Temp									
Constant									

### Network 1: uruchomienie otwierania/zamykania

```
#przycisk #open MOVE

P | EN ENO

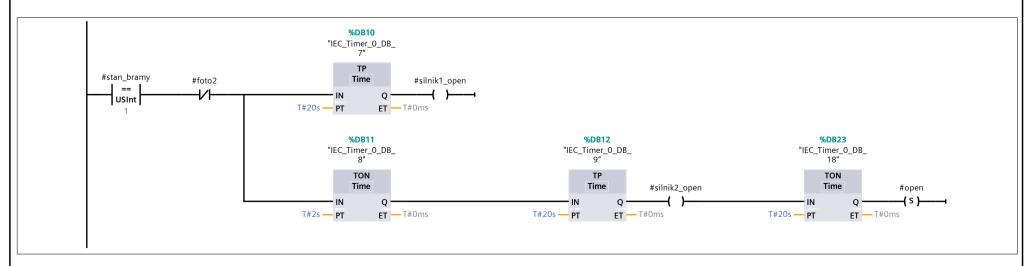
#przycisk_zbocze | 2 — IN - OUT1 — #stan_bramy

#close MOVE

EN ENO

1 — IN - OUT1 — #stan_bramy
```

### Network 2: otwieranie



## Network 3: zamykanie

Totally Integrated **Automation Portal** %DB13 "IEC\_Timer\_0\_DB\_ #stan\_bramy #stan\_bramy #silnik2\_close == USInt **--( )**-Q-USInt %DB14 %DB15 %DB22 "IEC\_Timer\_0\_DB\_ 17" "IEC\_Timer\_0\_DB\_ TON #silnik1\_close #close - IN Q -Q-Q-**T#20s** — **PT ET** — **T#**0ms T#2s — PT ET — T#0ms **T#20s** — **PT** ET — T#0ms #stan\_bramy #foto1 MOVE EN ENO USInt 1 — IN 📲 OUT1 — #stan\_bramy #foto2 %DB18 "IEC\_Counter\_0\_ DB\_1" #lampa #close — R %DB17 "IEC\_Timer\_0\_DB\_ 13" MOVE - EN ENO -0 — IN → OUT1 — #stan\_bramy MOVE #TON\_out  $\exists \, \mathsf{N} \vdash$ ENO ENO 2 — IN 📲 OUT1 — #stan\_bramy #TON\_out\_zbocze Network 4: koniec otwierania/zamykania - stan\_bramy := 0 #silnik2\_open MOVE ⊢n ⊢ EN ENO #silnik2\_open\_ zbocze 0 — IN 🚜 OUT1 — #stan\_bramy MOVE #silnik1\_close  $\neg$ EN ENO 0 — IN 👍 OUT1 — #stan\_bramy #silnik1\_close\_ Network 5: lampa #stan\_bramy #clock #lampa 0 Network 6: gdy chodzi silnik => brama nie jest ani w pelni otwarta, ani w pelni zamknieta #open #silnik1\_close #close #silnik1\_open  $\dashv$   $\vdash$ #silnik2\_close  $\dashv$   $\vdash$ #silnik2\_open