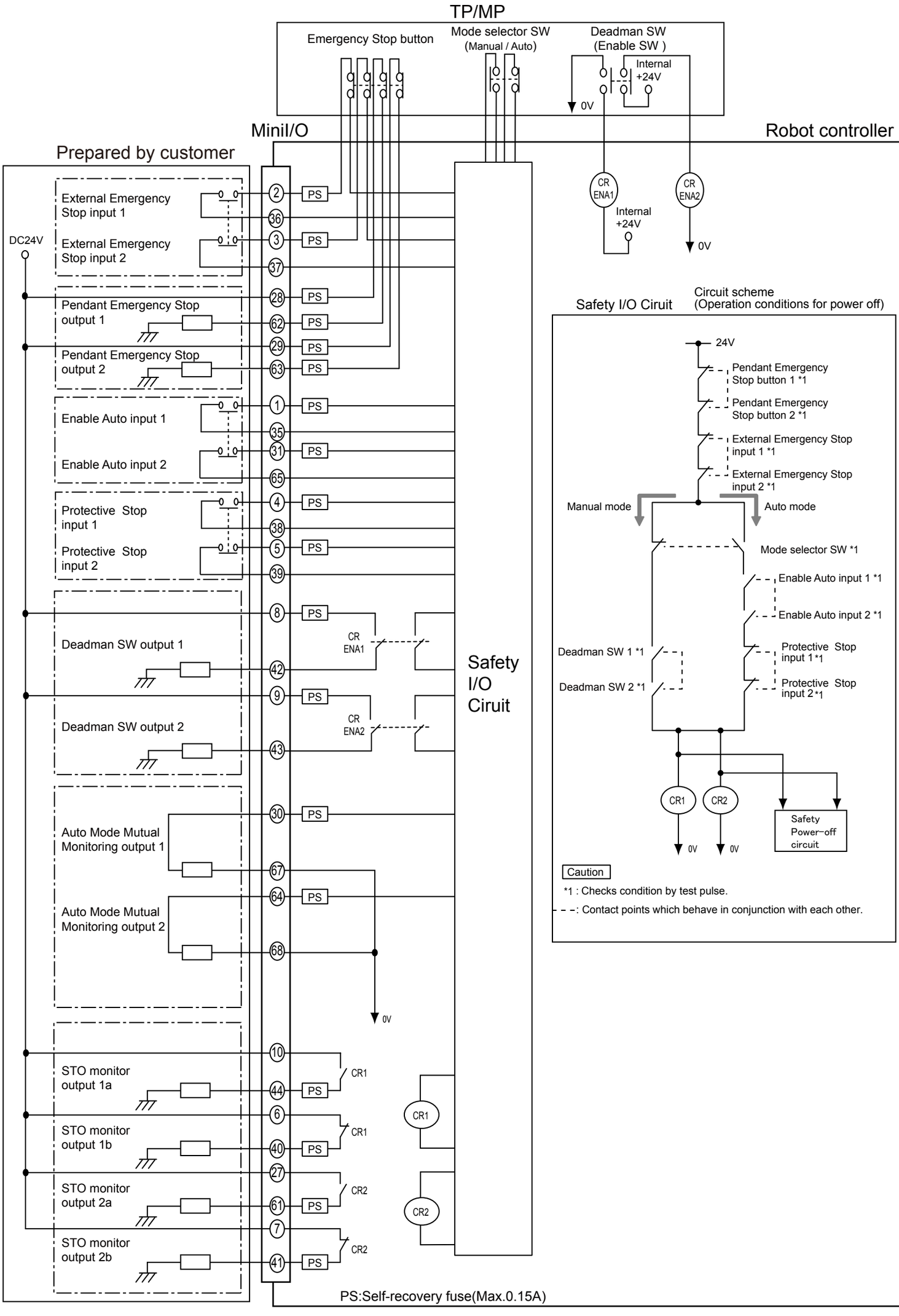
TP/MP
Emergency Stop button
Mode selector SW
(Manual / Auto)
Deadman SW
(Enable SW)
Internal
+24V
0V
MiniI/O
Robot controller
Prepared by customer
DC24V
External Emergency Stop input 1
External Emergency Stop input 2
Pendant Emergency Stop output 1
Pendant Emergency Stop output 2
Enable Auto input 1
Enable Auto input 2
Protective Stop input 1
Protective Stop input 2
Deadman SW output 1
Deadman SW output 2
Auto Mode Mutual Monitoring output 1
Auto Mode Mutual Monitoring output 2
STO monitor output 1a
STO monitor output 1b
STO monitor output 2a
STO monitor output 2b
PS
CR ENA1
CR ENA2
CR1
CR2
Safety I/O Ciruit
PS:Self-recovery fuse(Max.0.15A)
Safety I/O Ciruit
Circuit scheme
(Operation conditions for power off)
24V
Pendant Emergency Stop button 1 *1
Pendant Emergency Stop button 2 *1
External Emergency Stop input 1 *1
External Emergency Stop input 2 *1
Manual mode
Auto mode
Mode selector SW *1
Enable Auto input 1 *1
Enable Auto input 2 *1
Deadman SW 1 *1
Deadman SW 2 *1
Protective Stop input 1 *1
Protective Stop input 2 *1
Safety Power-off circuit
Caution
*1 : Checks condition by test pulse.
- - -: Contact points which behave in conjunction with each other.