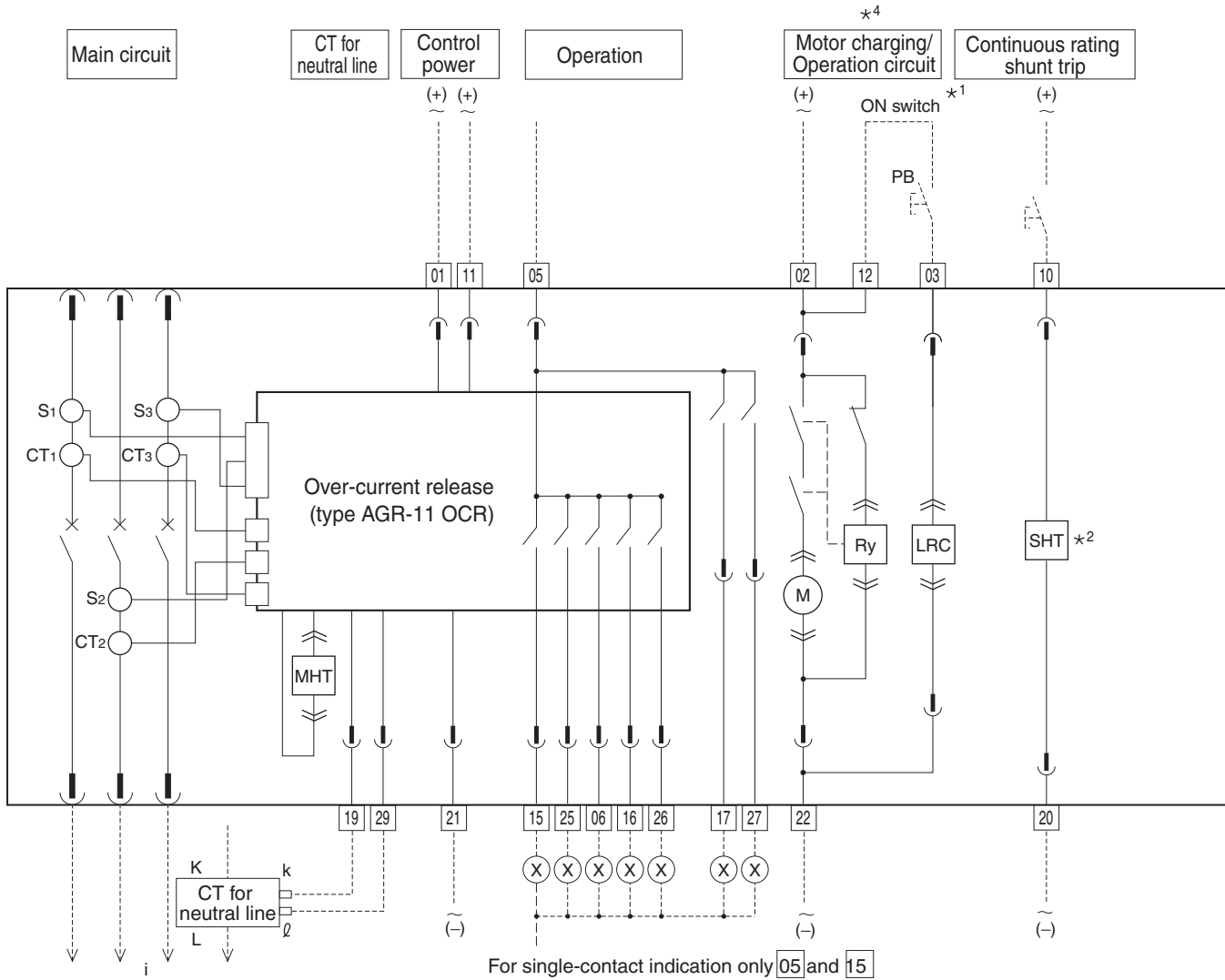


Air Circuit Breakers DH series

■ Wiring diagram (with AGR-11 OCR or without OCR)



Terminal description

Check OCR voltage before connecting

- 01 21 Control power supply AC200 - 240V,DC200 - 250V,DC48V 01 11 Control power supply AC100 - 120V
- 11 21 Control power supply DC100 - 125V,DC24V
- 02 22 Control power supply AC10 - 240V,DC100 - 220V,DC24V,DC48V 12 Operation switch,common 03 ON switch
- 05 Operation indication terminal,common 15 LT trip indication or single-contact indication 25 St/INST trip indication 06 PTA indication
- 16 GF trip indication 26 System alarm indication 17 trip indication 27 Spring charge indication 10 20 Continuously-rated shunt trip
- 19 Separate CT for neutral line (k) 29 Separate CT for neutral line (l) 08,18 , 28 UVT power supply 09 UVT power supply common

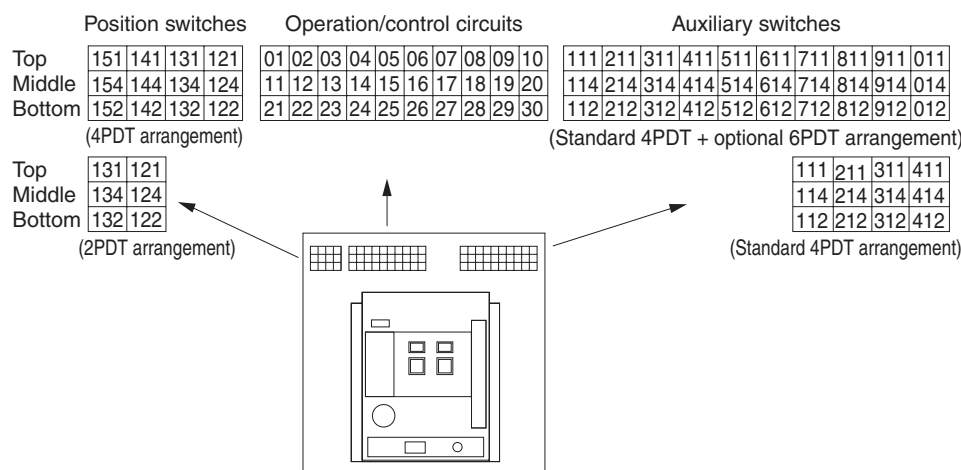
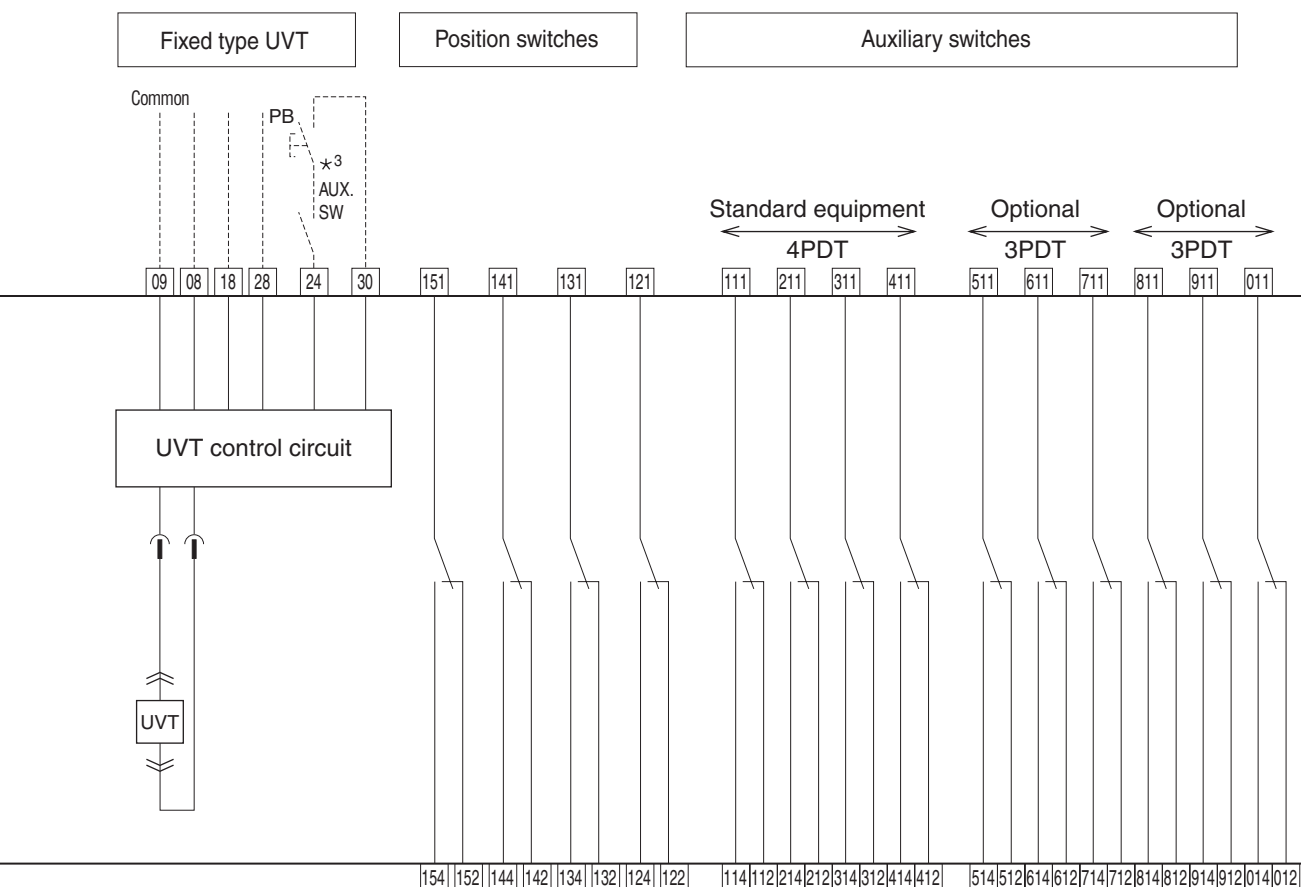
Symbols for accessories

- CT1 - CT3 : Power CTs
- S1 - S3 : Current sensors
- M : Charging motor
- LRC : Latch release coil
- MHT : Magnetic Hold Trigger
- ⊖ Isolating terminal connector (for draw-out type)
- ⊖ Manual connector
- User wiring
- (X)-- Relay or indicator lamp

- *1 : Do not connected "NC" contact of auxiliary switch to ON switch in series, otherwise, pumping may occur.
- *2 : Wiring diagrams changes for capacitor trip.
- *3 : Use "NO" contact of auxiliary switch of ACB.
- *4 : For motor split circuit, terminals 02 , 22 and 03, 04 are used for charging operation respectively.

UVT power supply

Terminal No.	100V AC coil	200V AC coil	400V AC coil
08 - 09	100V	200V	380V
18 - 09	110V	220V	415V
28 - 09	120V	240V	440V



Designation of terminals for auxiliary and position switches

* * *

- 1: Common, 2: NC contact, 4: NO contact
- 1: Auxiliary switch
- 2: Position switch (for CONNECTED)
- 3: Position switch (for TEST)
- 4: Position switch (for ISOLATED)
- 5: Position switch (for INSERT)

(1 - 0: Switch numbers
A, B, C: Auxiliary switches for low level circuit)

CONNECTED position : 121-124 ON
121-122 OFF

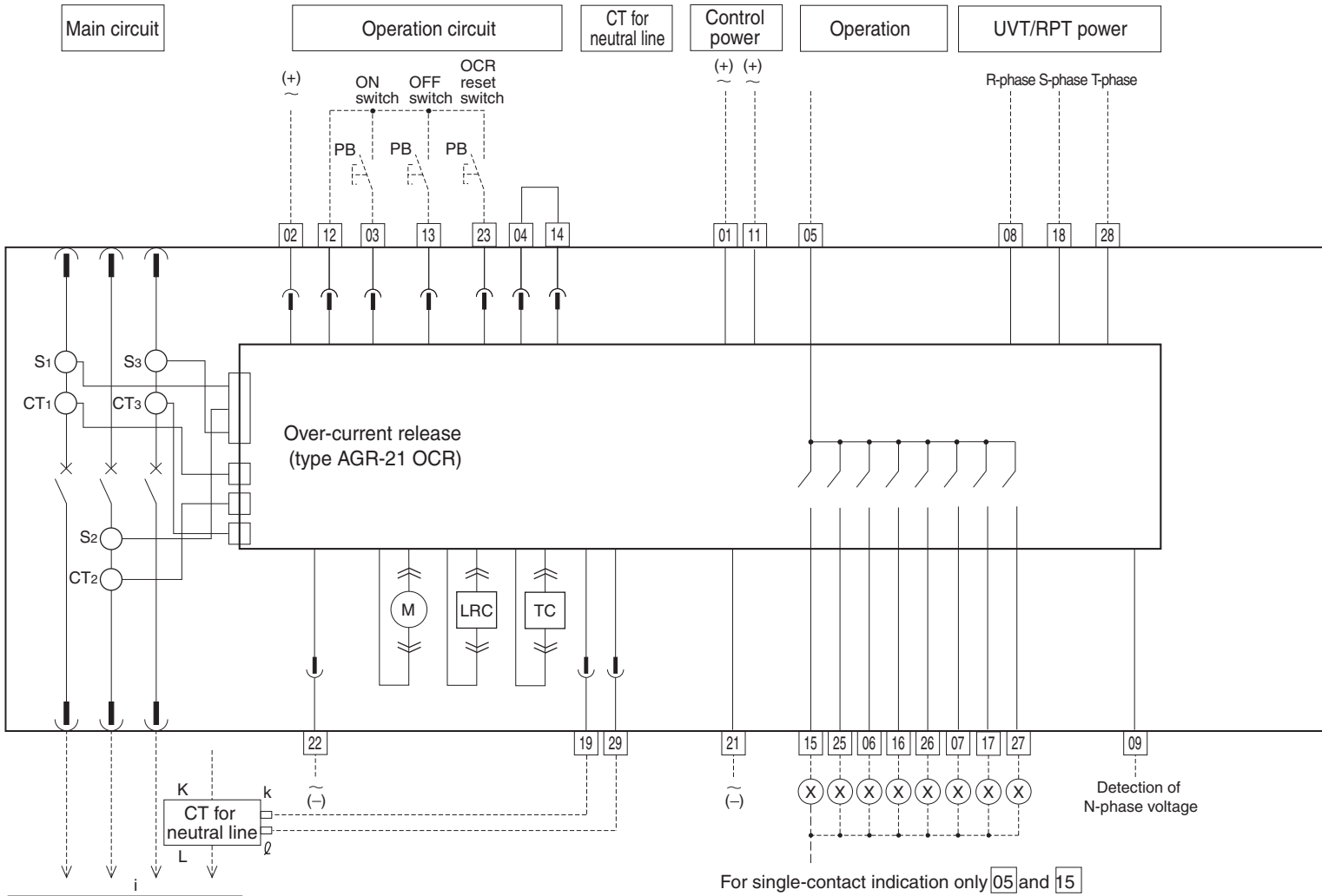
TEST position : 131-134 ON
131-132 OFF

ISOLATED position : 141-144 ON
141-142 OFF

INSERT position : 151-154 ON
151-152 OFF

Air Circuit Breakers DH series

■ Wiring diagram (with AGR-21 OCR)



Terminal description

Check OCR voltage before connecting

- 01 21 Control power supply AC200 - 240V, DC200 - 250V, DC48V 01 11 Control power supply AC100 - 120V
 11 21 Control power supply DC100 -125V, DC24V
 02 22 Operation power supply AC100- 240V, DC100 - 250V, DC24V, DC48V 12 Operation switch, common 03 ON switch *1 13 OFF switch *1
 23 OCR reset switch *1 04 Operation switch for signal separation *2 14 Operation switch for signal separation *2 24 —
 05 Operation indication terminal, common 15 LT trip indication or single-contact indication 25 ST/ INST trip indication 06 PTA indication
 16 GF,RPT or ELT trip indication 26 System alarm indication 07 HEAT indication 17 UVT indication *3 27 Spring charge indicator or PTA2
 08 18 28 UVT/RPT power supply R.S.T (Max. AC460V) 09 N-phase voltage detection 19 Separate CT for neutral line (k)
 29 Separate CT for neutral line (l) 10 20 Continuously-rated shunt trip 30 —

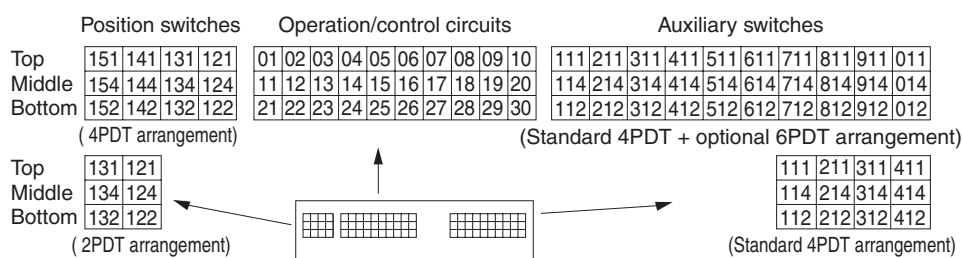
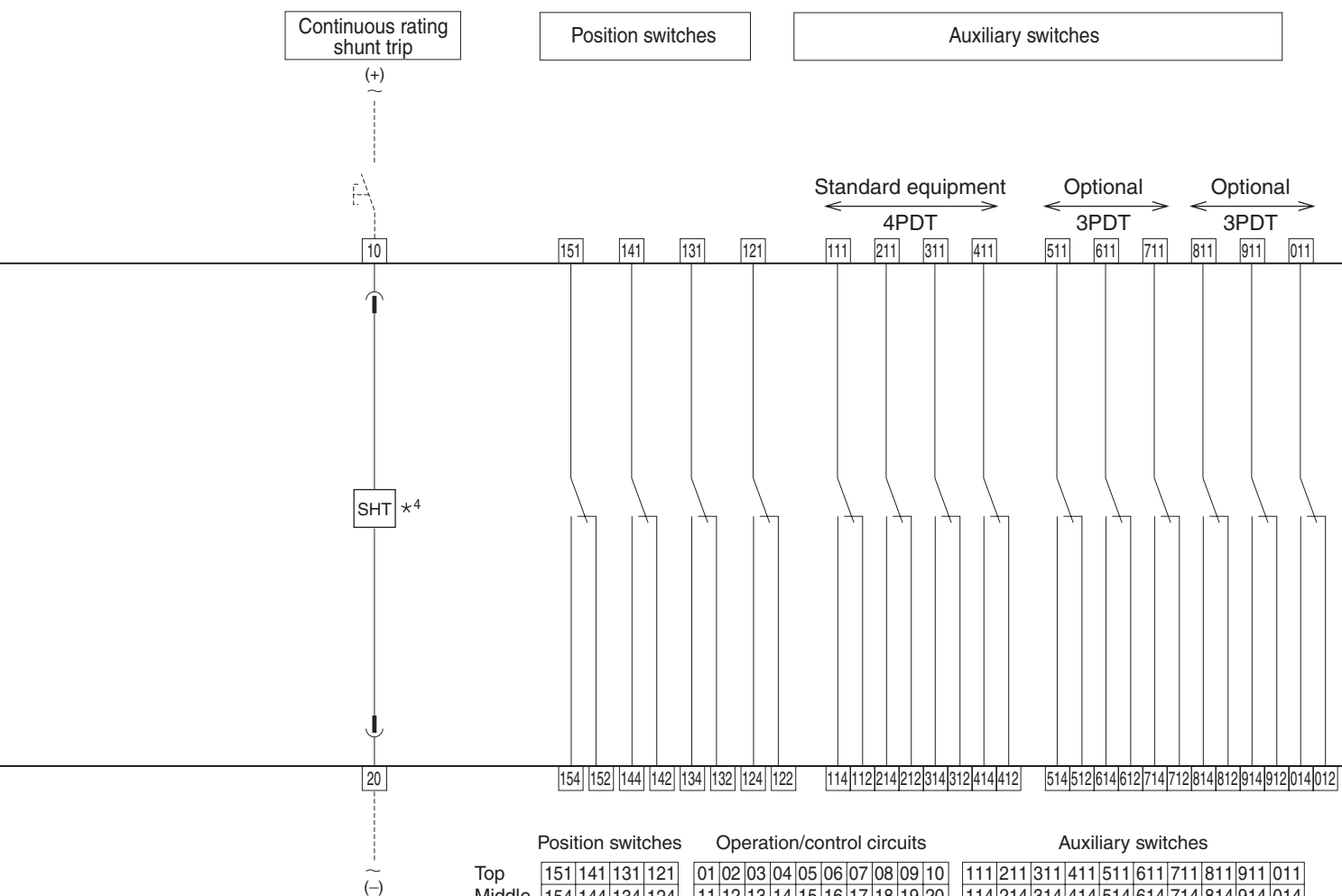
UVT power supply

Terminal No.	100V AC coil	200V AC coil	400V AC coil
08 - 09	100V	200V	380V
18 - 09	110V	220V	415V
28 - 09	120V	240V	440V

Symbols for accessories

- CT1-CT3 : Power CTs
 S1-S3 : Current sensors
 M : Charging motor
 LRC : Latch release coil
 TC : Tripping coil
 Isolating terminal connector (for draw-out type)
 Manual connector
 User wiring
 Relay or indicator lamp

- *1: Operation input signal is rated at DC40V 5mA.
 *2: Used for separation of operation input signals.
 *3: Can be used for trip indicator in place of UVT indication.
 *4: See page 08/57 for the circuit diagram of the continuous rating shunt trip device with capacitor trip device.



Designation of terminals for auxiliary and position switches	
	1: Common, 2: NC contact, 4: NO contact CONNECTED position : 121-124 ON 121-122 OFF TEST position : 131-134 ON 131-132 OFF ISOLATED position : 141-144 ON 141-142 OFF INSERT position : 151-154 ON 151-152 OFF
1: Auxiliary switch 2: Position switch (for CONNECTED) 3: Position switch (for TEST) 4: Position switch (for ISOLATED) 5: Position switch (for INSERT)	
/1 - 0: Switch numbers A, B, C: Auxiliary switches for low level circuit	