SINGLE MICROSWITCH DEVICES

SHEET 1

PRODUCTS:
GNExCP7, STExCP8
& WP7

Diagram	Sheet
Dual Switch Wiring Configurations	2,3,5,6,7,8
LED Indicator Wiring Configurations	4,5,6,8
Parallel Dual Switch Wiring Configurations	7,8

GNEXCP7-BG[s][t][l][e][m][d][v][o][x]-[u][e][s]

Switch Type [s] · Terminals [t] · Product Version [v] · Product Option [o] · LED Indicator [u] · EOL Module [e] · Series Module [s]

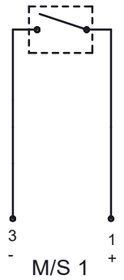
Module Device Codes	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

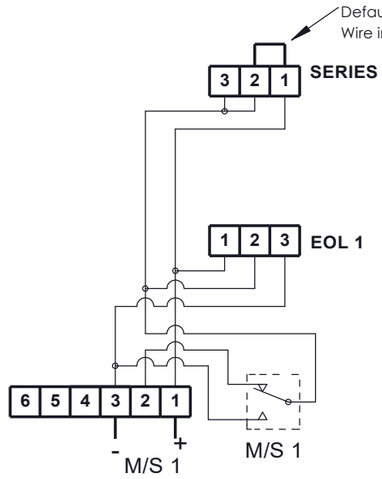
ISSUE	MOD No.	REASON - INITIAL - DATE
1	ACN0127	Addition of LED version ; Options clarified RNP 20-08-2023

SINGLE SWITCH — CONFIG. P1 -1

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[N]	NO LED

Note :- Use when EOL and/or series devices are fitted during installation, or if no series devices are required.





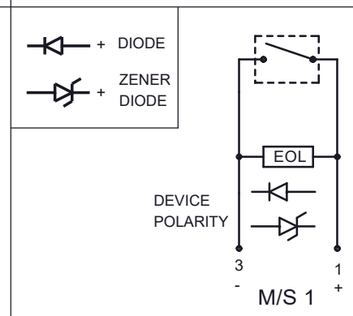
Circuit as shown in Unoperated condition

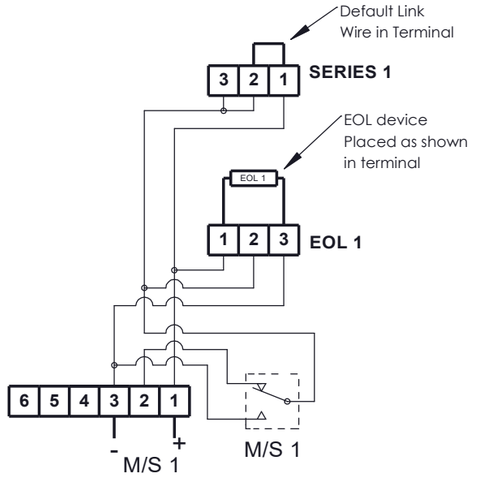
Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 open
Terminals +(1) & (2) M/S 1 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 open
Terminals +(1) & -(3) M/S 1 closed

SINGLE SWITCH WITH SERIES DEVICE — CONFIG. P1-2

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[N]	NO LED
EOL MODULE [e]	[Exxxx]	EOL Device





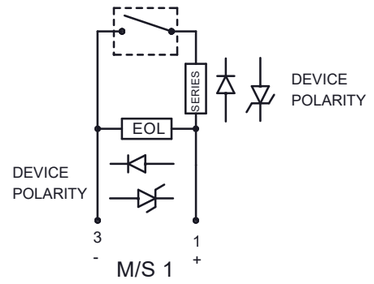
Circuit as shown in Unoperated condition

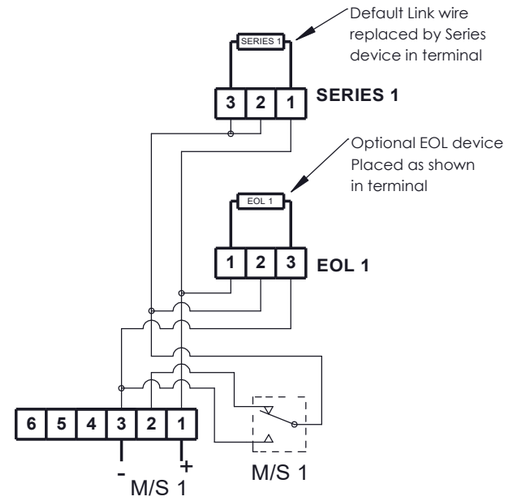
Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 open
Terminals +(1) & (2) M/S 1 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 open
Terminals +(1) & -(3) M/S 1 closed

SINGLE SWITCH WITH EOL & SERIES DEVICES — CONFIG. P1-3

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[N]	NO LED
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series





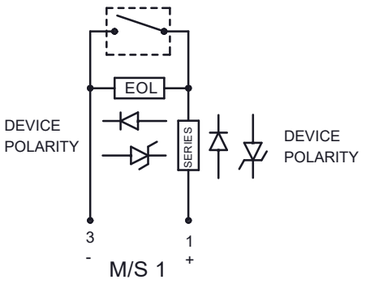
Circuit as shown in Unoperated condition

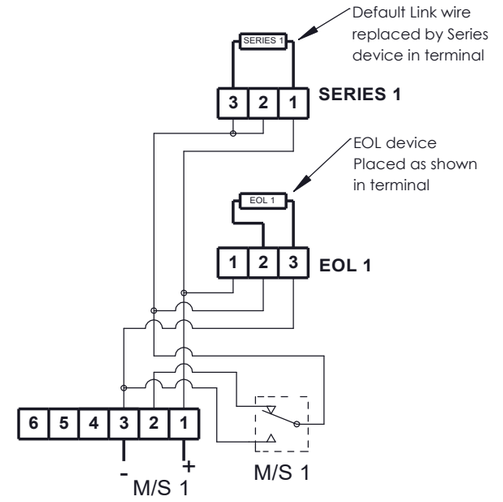
Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 open
Terminals +(1) & (2) M/S 1 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 open
Terminals +(1) & -(3) M/S 1 closed

SINGLE SWITCH WITH EOL & ALT SERIES DEVICES — CONFIG. P1-4

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[W]	Alt. EOL Pos'n.
LED INDICATOR [u]	[N]	NO LED
MODULE [e][s]	[Exxxx][Sxxxx]	EOL + Series





Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 open
Terminals +(1) & (2) M/S 1 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 open
Terminals +(1) & -(3) M/S 1 closed

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS
GNExCP7 ; STExCP8 ; WP7 units with PCB

DRAWN	R.N.POTTS	DATE 20-08-2023
CHECKED	B.ISARD	DATE 20-08-2023
APPROVED	R.N.POTTS	DATE 20-08-2023

SURFACE FINISH · WEIGHT (Kg) · MATERIAL · ALTERNATIVE MATERIAL

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ALL DIMENSIONS IN MM
IF IN DOUBT, ASK -
DO NOT SCALE

A3

TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE	SHEET	DRAWING NUMBER
NTS	1 OF 8	D202-06-212

DUAL MICROSWITCH DEVICES

SHEET 2

Notes:
1. Other configurations of dual switch units are possible. Contact E2S sales to discuss options.

GNEXCP7-BG[s][t][l][e][m][d][v][o][x]-[u][e][s]

- [s] Switch Type
- [t] Terminals
- [l]
- [e]
- [m]
- [d]
- [v] Product Version
- [o] Product Option
- [x]
- [u] LED Indicator
- [e] EOL Module
- [s] Series Module

Module Device Codes

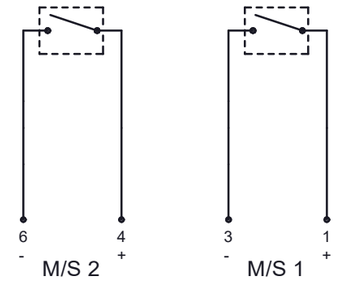
	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

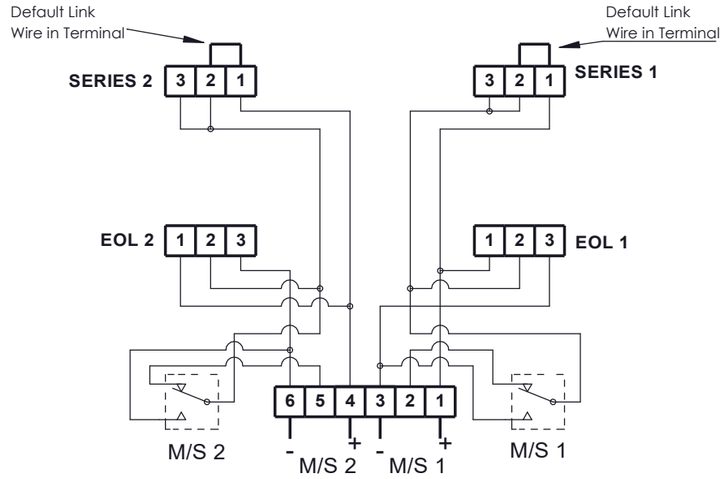
ISSUE	MOD No.	REASON - INITIAL - DATE
1	ACN0127	INTRODUCTION RNP 20-08-2023

DUAL SWITCH — CONFIG. P2-1

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[N]	NO LED

Note :- Use when EOL and/or series devices are fitted during installation, or if no series devices are required.





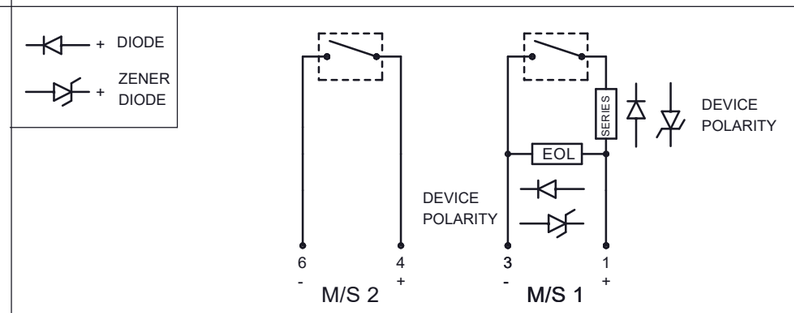
Circuit as shown in Unoperated condition

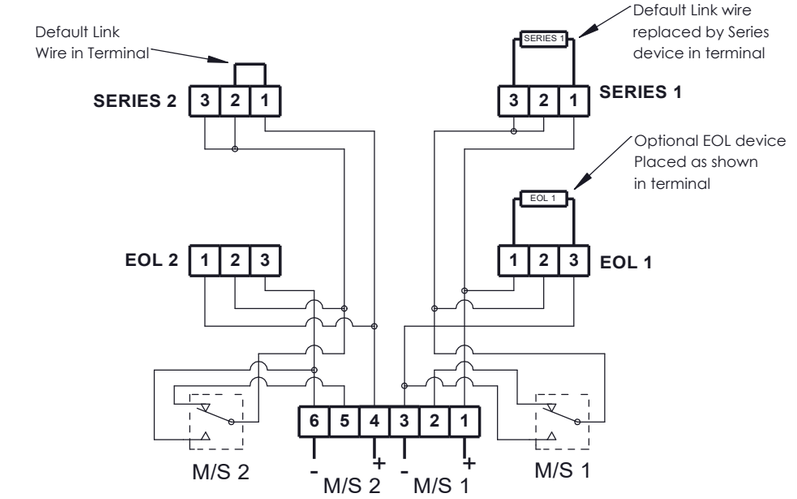
Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DUAL SWITCH WITH EOL & SERIES DEVICES — CONFIG. P2-2

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[N]	No LED
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series





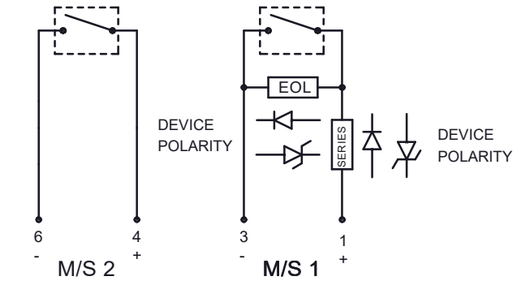
Circuit as shown in Unoperated condition

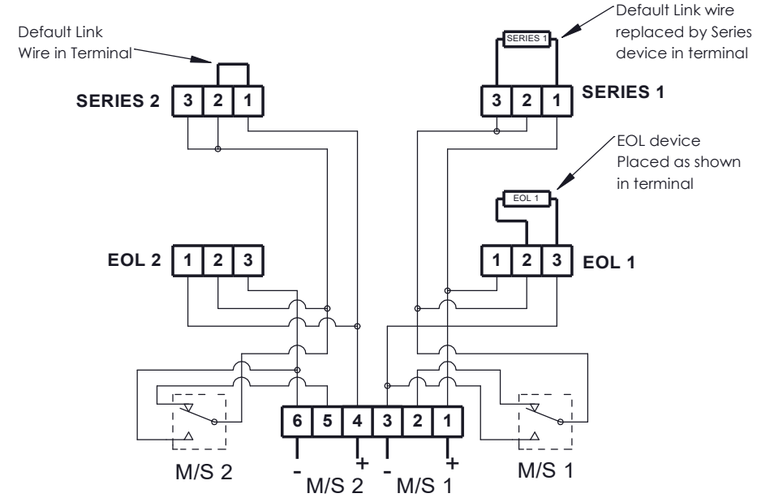
Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DUAL SWITCH WITH EOL & ALT. SERIES DEVICES — CONFIG. P2-3

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[W]	Alt. EOL Pos'n.
LED INDICATOR [u]	[N]	No LED
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series





Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS
GNExCP7 ; STExCP8 ; WP7 units with PCB

DRAWN	R.N.POTTS	DATE 20-08-2023
CHECKED	B.ISARD	DATE 20-08-2023
APPROVED	R.N.POTTS	DATE 20-08-2023

SURFACE FINISH | WEIGHT (Kg)

MATERIAL

ALTERNATIVE MATERIAL

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ALL DIMENSIONS IN MM
IF IN DOUBT, ASK - DO NOT SCALE

A3

TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE	SHEET	DRAWING NUMBER
NTS	2 OF 8	**D202-06-212**

DUAL MICROSWITCH DEVICES DUPLICATED

SHEET 3

Notes:
1. Other configurations of dual switch units are possible. Contact E2S sales to discuss options.

GNEXCP7-BG[s][t][l][e][m][d][v][o][x]-[u][e][s]

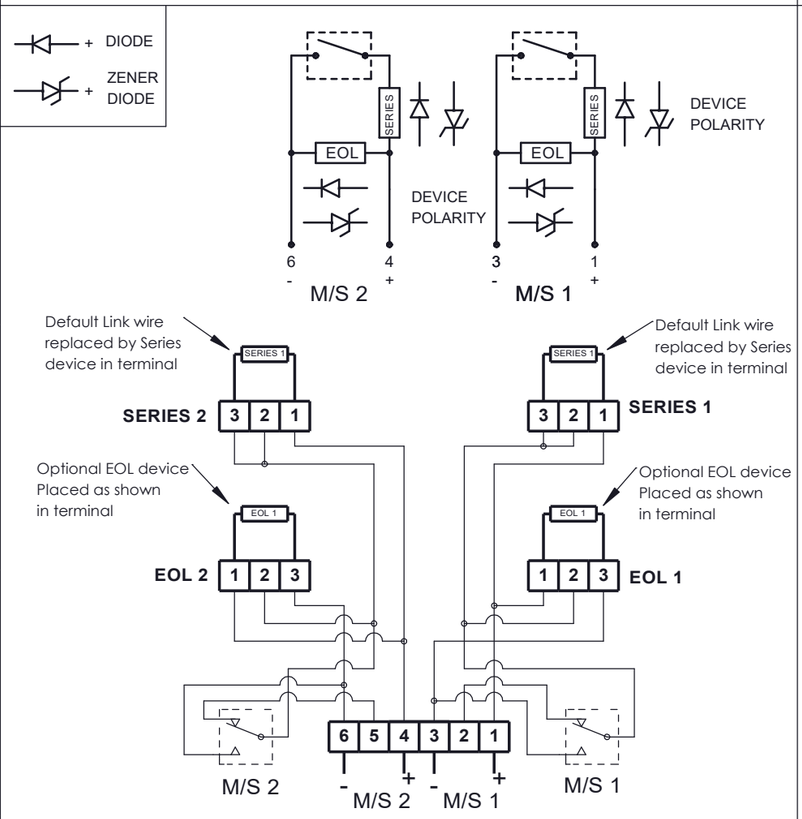
- [s] Switch Type
- [t] Terminals
- [l]
- [e]
- [m]
- [d]
- [v] Product Version
- [o] Product Option
- [x]
- [u] LED Indicator
- [e] EOL Module
- [s] Series Module

Module Device Codes		
	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

ISSUE	MOD No.	REASON - INITIAL - DATE
1	ACN0127	INTRODUCTION RNP 20-08-2023

DUAL SWITCH WITH EOL & SERIES DEVICES DUPLICATED — CONFIG. P3-1

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[2]	Duplicate EOL/Series
LED INDICATOR [u]	[N]	No LED
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series



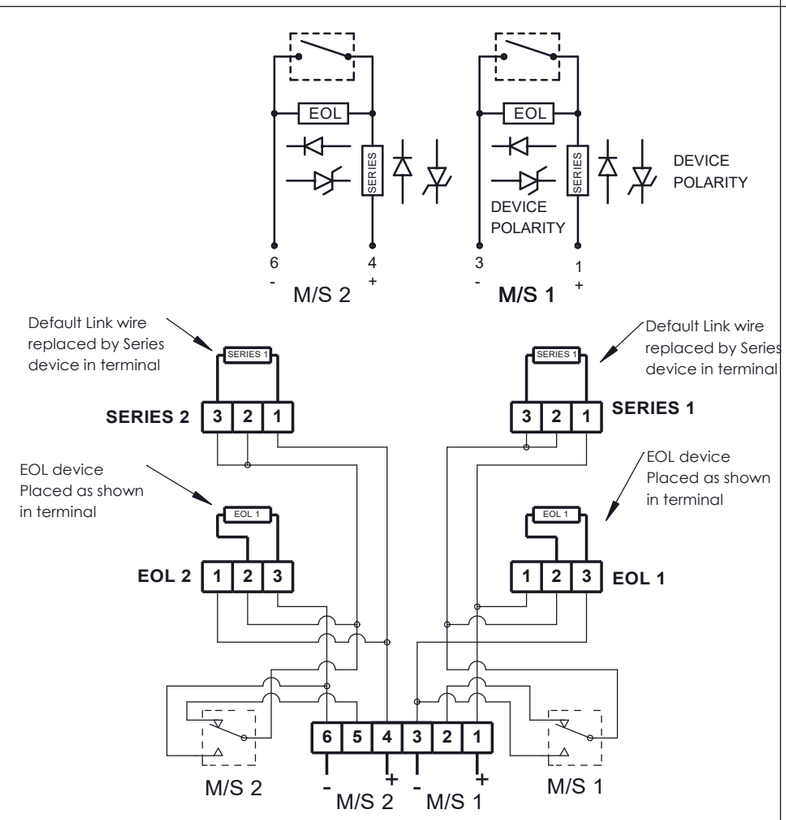
Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DUAL SWITCH WITH EOL & ALT. SERIES DEVICES DUPLICATED — CONFIG. P3-2

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[Y]	Alt. EOL Pos'n, duplicated
LED INDICATOR [u]	[N]	No LED
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series



Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS
GNExCP7 ; STExCP8 ; WP7 units with PCB

DRAWN R.N.POTTS DATE 20-08-2023
CHECKED B.ISARD DATE 20-08-2023
APPROVED R.N.POTTS DATE 20-08-2023

SURFACE FINISH | WEIGHT (Kg)
MATERIAL
ALTERNATIVE MATERIAL

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TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE NTS | SHEET 3 OF 8 | DRAWING NUMBER **D202-06-212**

SINGLE MICROSWITCH LED DEVICES

SHEET 4

Notes:
1. Units have the option to remove the LED current-limiting resistor RL1 option 'L' using LED option 'C'. In all other cases shown RL1 is included.

GNEXCP7-BG[s][t][l][e][m][d][v][o][x]-[u][e][s]

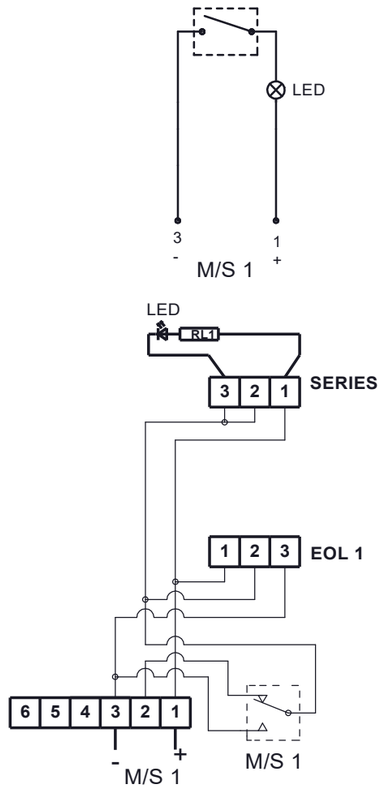
- [s] Switch Type
- [t] Terminals
- [v] Product Version
- [o] Product Option
- [u] LED Indicator
- [e] EOL Module
- [s] Series Module

Module Device Codes	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

ISSUE	MOD No.	REASON - INITIAL - DATE
1	ACN0127	Addition of LED version ; Options clarified RNP 20-08-2023

SINGLE SWITCH — CONFIG. P4 -1

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[L]	LED with RL1



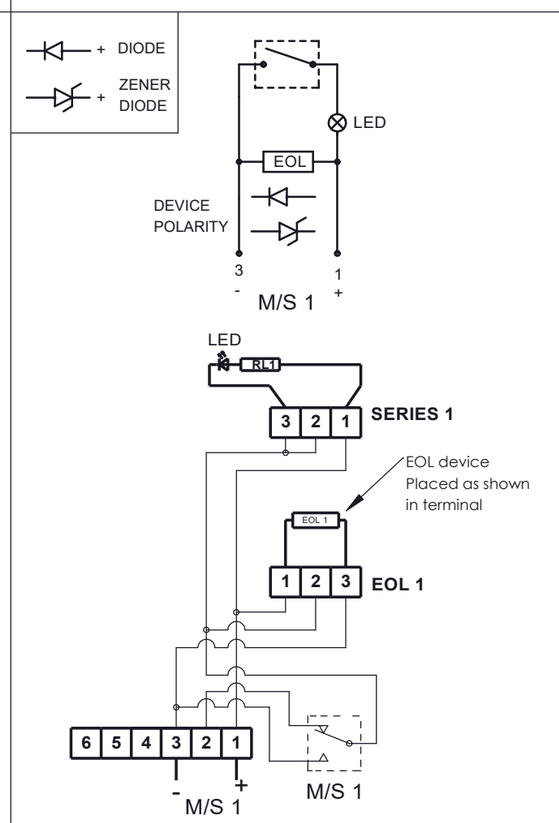
Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 open
Terminals +(1) & (2) M/S 1 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 open
Terminals +(1) & -(3) M/S 1 closed

SINGLE SWITCH WITH SERIES DEVICES — CONFIG. P4-2

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[L]	LED with RL1
EOL MODULE [e]	[Exxxx]	EOL Device



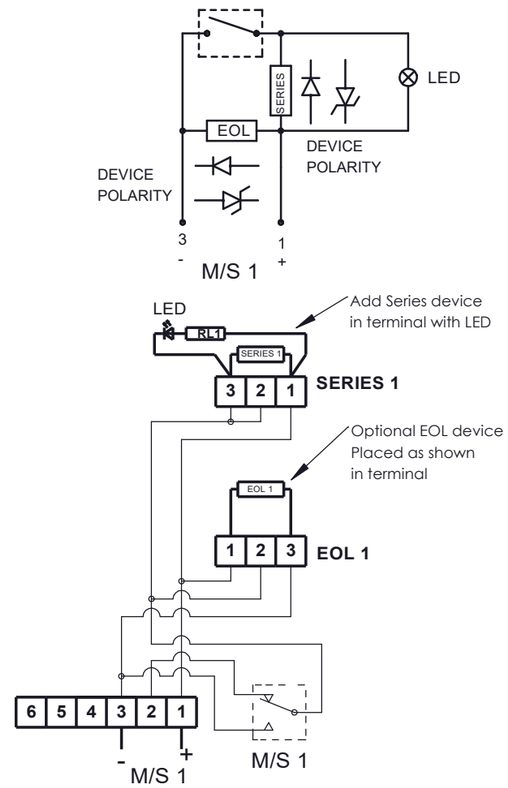
Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 open
Terminals +(1) & (2) M/S 1 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 open
Terminals +(1) & -(3) M/S 1 closed

SINGLE SWITCH WITH EOL & SERIES DEVICES — CONFIG. P4-3

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[L]	LED with RL1
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series



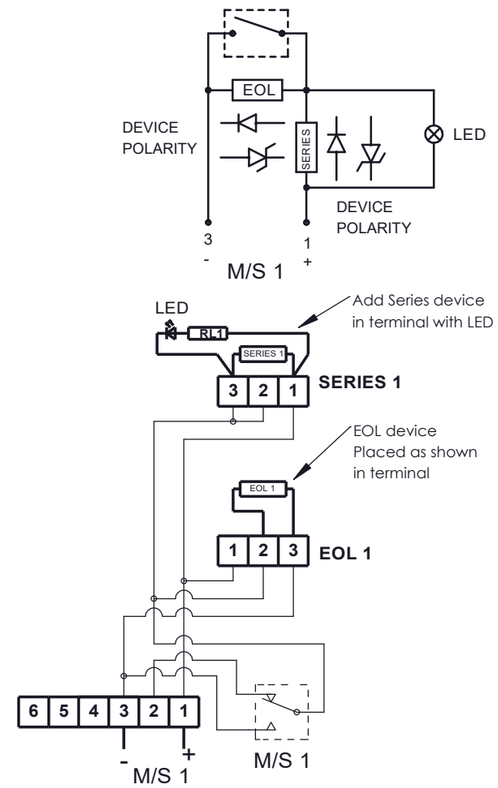
Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 open
Terminals +(1) & (2) M/S 1 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 open
Terminals +(1) & -(3) M/S 1 closed

SINGLE SWITCH WITH EOL & ALT SERIES DEVICES — CONFIG. P4-4

SWITCH TYPE [s]	[S]	Single
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[W]	Alt. EOL Pos'n.
LED INDICATOR [u]	[L]	LED with RL1
MODULE [e][s]	[Exxxx][Sxxxx]	EOL + Series



Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 open
Terminals +(1) & (2) M/S 1 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 open
Terminals +(1) & -(3) M/S 1 closed

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS
GNExCP7 ; STExCP8 ; WP7 units with PCB

DRAWN R.N.POTTS DATE 20-08-2023
CHECKED B.ISARD DATE 20-08-2023
APPROVED R.N.POTTS DATE 20-08-2023

SURFACE FINISH
WEIGHT (Kg)
MATERIAL
ALTERNATIVE MATERIAL

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ALL DIMENSIONS IN MM
IF IN DOUBT, ASK - DO NOT SCALE

A3

TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE NTS
SHEET 4 OF 8
DRAWING NUMBER **D202-06-212**

DUAL MICROSWITCH LED DEVICES

SHEET 5

Notes:
1. Units have the option to remove the LED current-limiting resistor RL1 option 'L' using LED option 'C'. In all other cases shown RL1 is included.

GNEXCP7-BG[s][t][l][e][m][d][v][o][x]-[u][e][s]

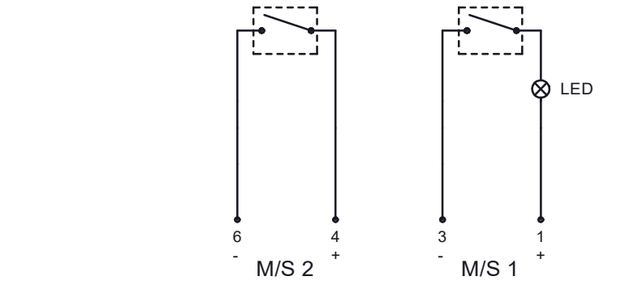
- [s] Switch Type
- [t] Terminals
- [l] Product Version
- [e] Product Option
- [m] EOL Module
- [d] Series Module
- [v] Series Module
- [o] Product Option
- [x] EOL Module
- [u] LED Indicator

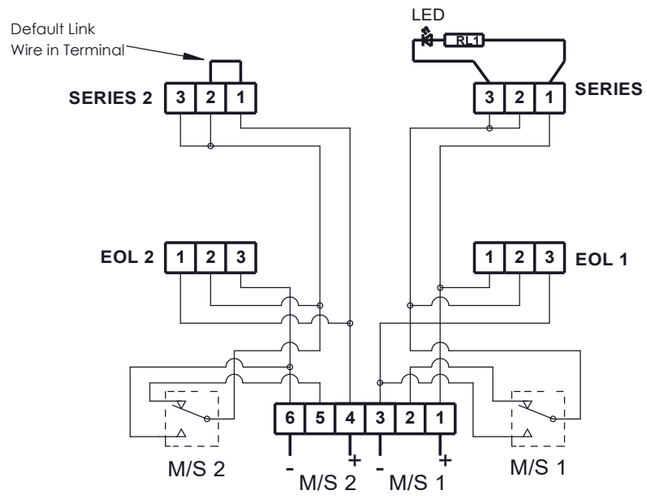
Module Device Codes		
	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

ISSUE	MOD No.	REASON - INITIAL - DATE
1	ACN0127	INTRODUCTION RNP 20-08-2023

DUAL SWITCH WITH LED — CONFIG. P5-1

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[L]	LED with RL1





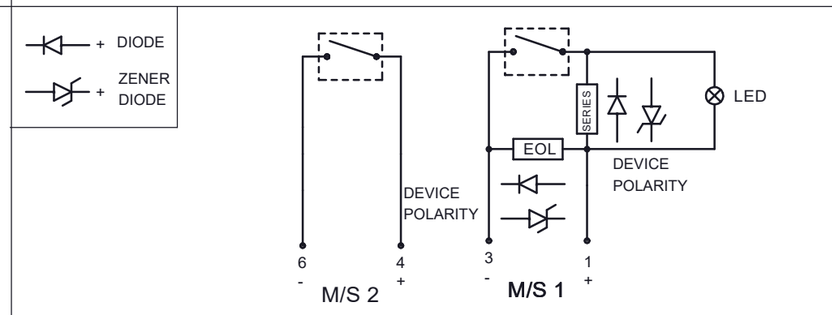
Circuit as shown in Unoperated condition

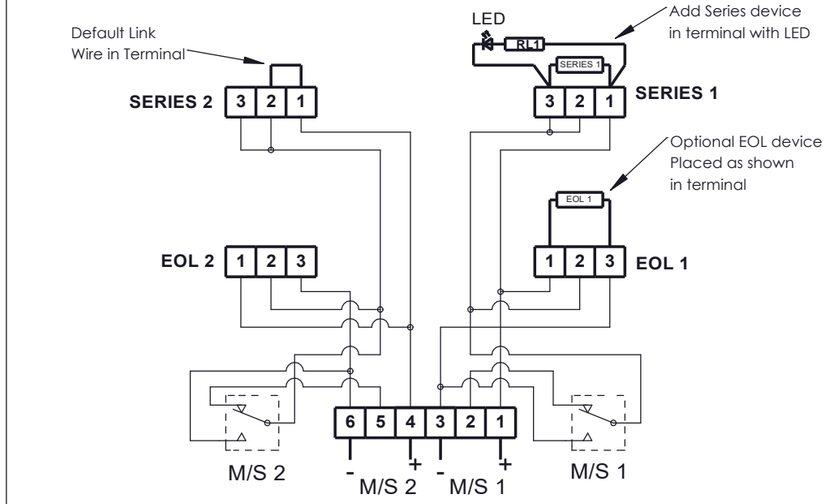
Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DUAL SWITCH WITH LED, EOL & SERIES DEVICES — CONFIG. P5-2

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[1]	Default
LED INDICATOR [u]	[L]	LED with RL1
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series





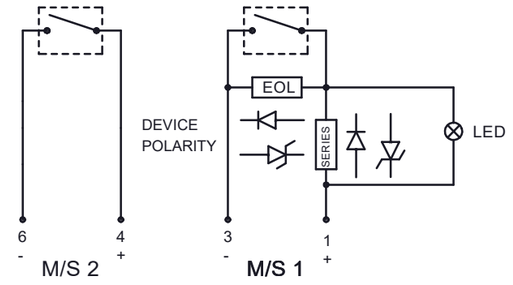
Circuit as shown in Unoperated condition

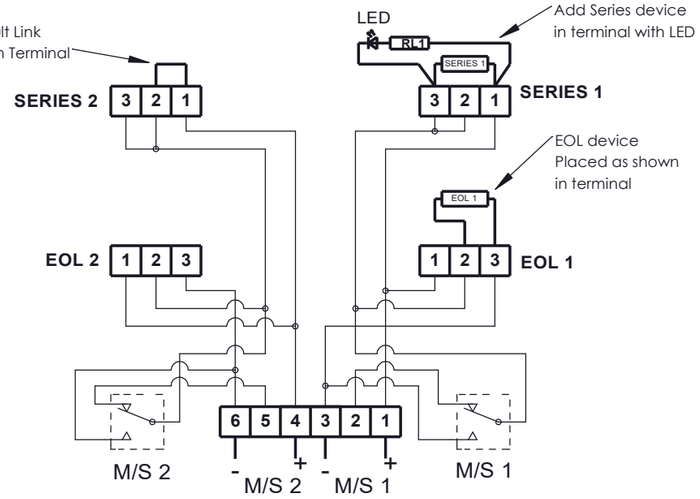
Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DUAL SWITCH WITH LED, EOL & ALT. SERIES DEVICES — CONFIG. P5-3

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[W]	Alt. EOL Pos'n.
LED INDICATOR [u]	[L]	LED with RL1
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series





Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS
GNExCP7 ; STExCP8 ; WP7 units with PCB

DRAWN	R.N.POTTS	DATE 20-08-2023
CHECKED	B.ISARD	DATE 20-08-2023
APPROVED	R.N.POTTS	DATE 20-08-2023

SURFACE FINISH | WEIGHT (Kg)

MATERIAL

ALTERNATIVE MATERIAL

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TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE	SHEET	DRAWING NUMBER
NTS	5 OF 8	D202-06-212

DUAL MICROSWITCH LED & DEVICES DUPLICATED

SHEET 6

Notes:
1. Units have the option to remove the LED current-limiting resistor RL1 option 'L' using LED option 'C'. In all other cases shown RL1 is included.

GNEXCP7-BG[s][t][l][e][m][d][v][o][x]-[u][e][s]

- [s] Switch Type
- [t] Terminals
- [l]
- [e]
- [m]
- [d]
- [v] Product Version
- [o] Product Option
- [x]
- [u] LED Indicator
- [e] EOL Module
- [s] Series Module

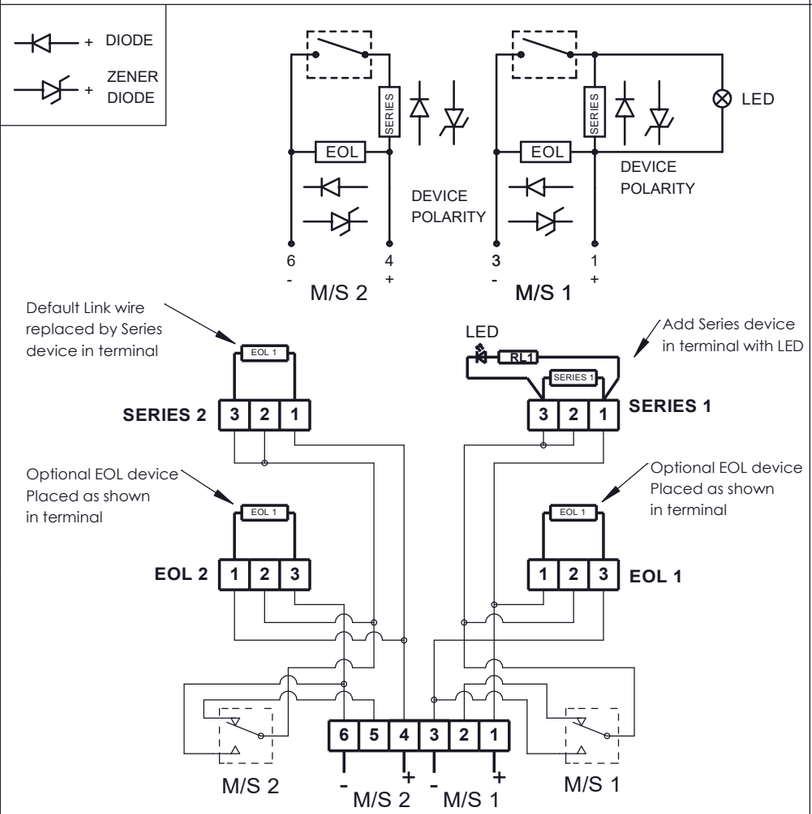
Module Device Codes

	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

ISSUE	MOD No.	REASON - INITIAL - DATE
1	ACN0127	INTRODUCTION RNP 20-08-2023

DUAL SWITCH WITH LED, EOL & SERIES DEVICES DUPLICATED — CONFIG. P6-1

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[2]	Duplicate EOL/Series
LED INDICATOR [u]	[L]	LED with RL1
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series



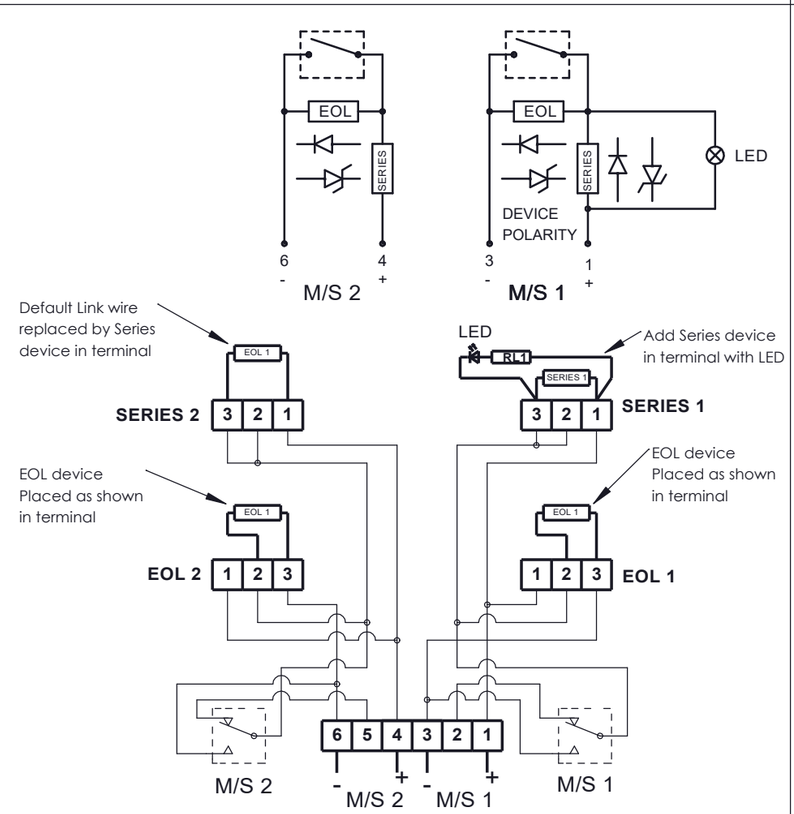
Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DUAL SWITCH WITH LED, EOL & ALT. SERIES DEVICES DUPLICATED — CONFIG. P6-2

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[Y]	Alt. EOL Pos'n duplicated
LED INDICATOR [u]	[L]	LED with RL1
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series



Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS
GNExCP7 ; STExCP8 ; WP7 units with PCB

DRAWN	R.N.POTTS	DATE 20-08-2023
CHECKED	B.ISARD	DATE 20-08-2023
APPROVED	R.N.POTTS	DATE 20-08-2023

SURFACE FINISH | WEIGHT (Kg)
MATERIAL
ALTERNATIVE MATERIAL

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TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE	SHEET	DRAWING NUMBER
NTS	6 OF 8	D202-06-212

DUAL MICROSWITCH IN PARALLEL, & DEVICES

SHEET 7

Notes:
1. Units have the option to remove the LED current-limiting resistor RL1 option 'L' using LED option 'C'. In all other cases shown RL1 is included.

GNEXCP7-BG[s][t][l][e][m][d][v][o][x]-[u][e][s]

- [s] Switch Type
- [t] Terminals
- [v] Product Version
- [o] Product Option
- [u] LED Indicator
- [e] EOL Module
- [s] Series Module

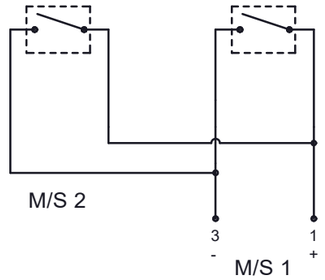
Module Device Codes		
	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

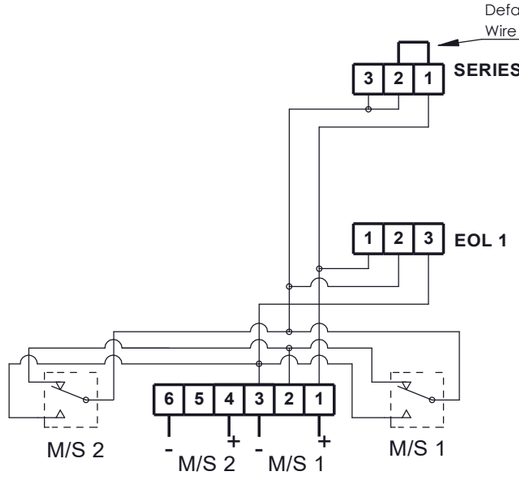
ISSUE	MOD No.	REASON - INITIAL - DATE
1	ACN0127	INTRODUCTION RNP 20-08-2023

DUAL SWITCH PARALLEL — CONFIG. P7-1

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[P]	Parallel Wiring
LED INDICATOR [u]	[N]	No LED

Note :- Use when EOL and/or series devices are fitted during installation, or if no series devices are required.





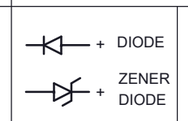
Circuit as shown in Unoperated condition

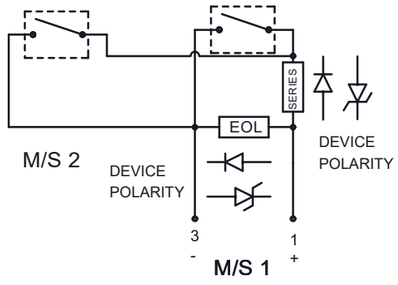
Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

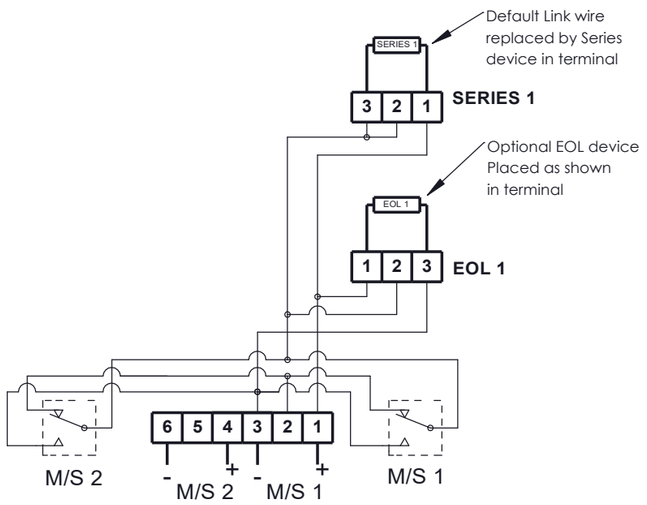
Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DUAL SWITCH, PARALLEL WITH EOL & SERIES DEVICES — CONFIG. P7-2

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[P]	Parallel Wiring
LED INDICATOR [u]	[N]	No LED
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series







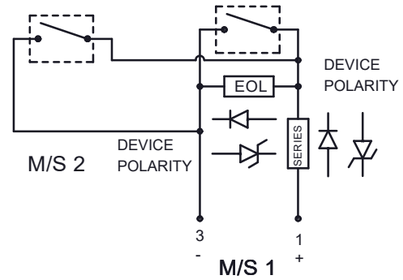
Circuit as shown in Unoperated condition

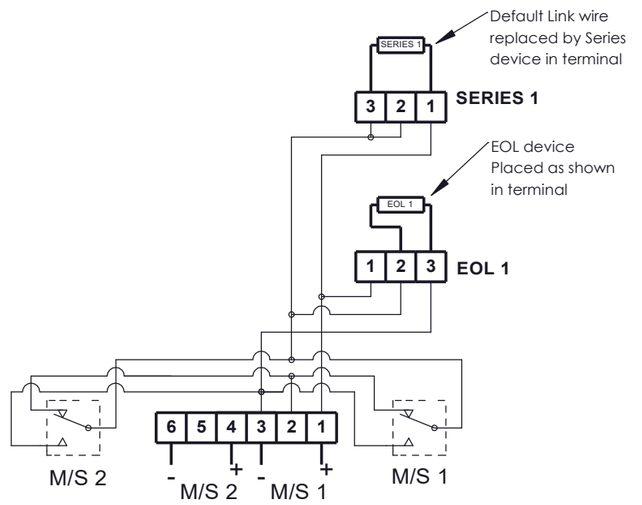
Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DUAL SWITCH, PARALLEL WITH EOL & ALT. SERIES DEVICES — CONFIG. P7-3

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[V]	Parallel Wiring Alt. EOL Pos'n.
LED INDICATOR [u]	[N]	No LED
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series





Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS

DRAWN	R.N.POTTS	DATE 20-08-2023
CHECKED	B.ISARD	DATE 20-08-2023
APPROVED	R.N.POTTS	DATE 20-08-2023

SURFACE FINISH | WEIGHT (Kg)

MATERIAL

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IF IN DOUBT, ASK - DO NOT SCALE

A3

TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE	SHEET	DRAWING NUMBER
NTS	7 OF 8	D202-06-212

DUAL MICROSWITCH IN PARALLEL, LED & DEVICES

SHEET 8

Notes:
1. Units have the option to remove the LED current-limiting resistor RL1 option 'L' using LED option 'C'. In all other cases shown RL1 is included.

GNEXCP7-BG[s][t][l][e][m][d][v][o][x]-[u][e][s]

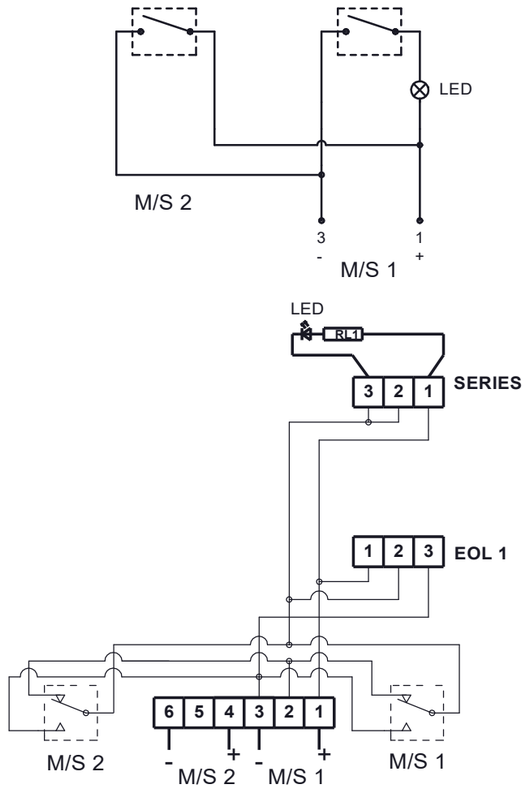
- [s] Switch Type
- [t] Terminals
- [l] Product Version
- [e] Product Option
- [m] EOL Module
- [d] Series Module
- [v] LED Indicator [u]

Module Device Codes	EOL	Series
Resistor	ExxxR	SxxxR
Diode	ED1	SD1
Zener Diode	ExxxZ	SxxxZ
LED	N/A	L or C

ISSUE	MOD No.	REASON - INITIAL - DATE
1	ACN0127	INTRODUCTION RNP 20-08-2023

DUAL SWITCH PARALLEL WITH LED — CONFIG. P8-1

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[P]	Parallel Wiring
LED INDICATOR [u]	[L]	LED with RL1



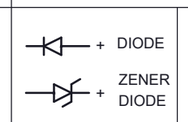
Circuit as shown in Unoperated condition

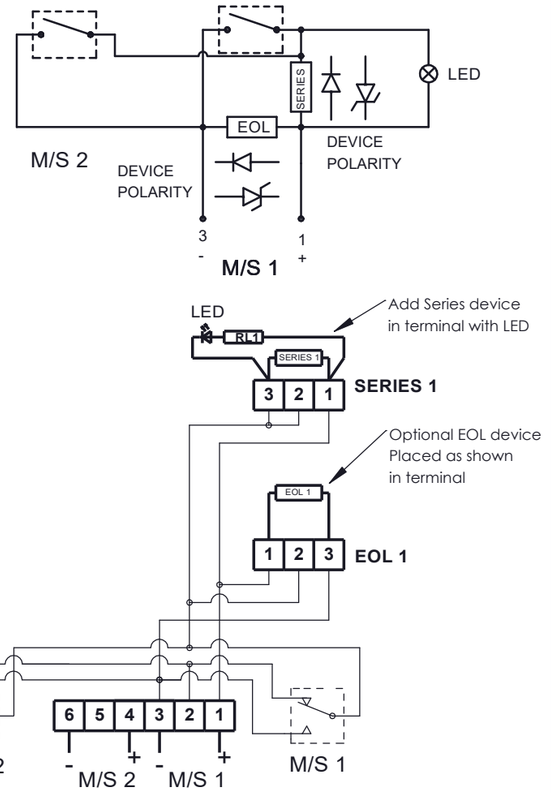
Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DUAL SWITCH PARALLEL WITH LED, EOL & SERIES DEVICES — CONFIG. P8-2

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[P]	Parallel Wiring
LED INDICATOR [u]	[L]	LED with RL1
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series





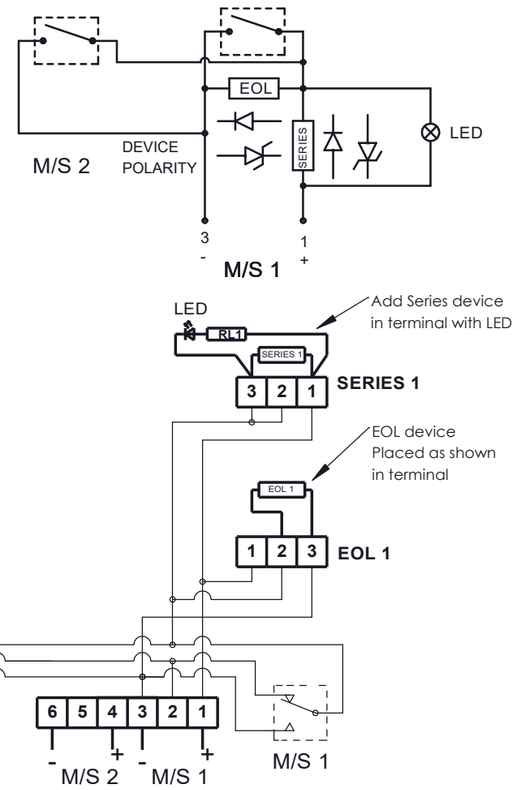
Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DUAL SWITCH PARALLEL WITH LED, EOL & ALT. SERIES DEVICES — CONFIG. P8-3

SWITCH TYPE [s]	[D]	Dual
TERMINALS [t]	[P]	PCB Version
PRODUCT OPTION [o]	[V]	Parallel Wiring Alt. EOL Pos'n.
LED INDICATOR [u]	[L]	LED with RL1
MODULES [e][s]	[Exxxx][Sxxxx]	EOL + Series



Circuit as shown in Unoperated condition

Unoperated Condition
(Glass Intact / Standby Condition)
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 open
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 closed

Operated Condition
(Glass Broken / Button pushes in)
Terminals +(1) & (2) M/S 1 and +(4) & (5) M/S 2 open
Terminals +(1) & -(3) M/S 1 and +(4) & -(6) M/S 2 closed

DRAWING TO BS8888:2000
GEOMETRIC TOLERANCES TO ISO1101:1983
LINEAR DIMENSIONAL TOLS
ANGULAR DIMENSIONAL TOLS

STANDARDS
GNExCP7 ; STExCP8 ; WP7 units with PCB

DRAWN	R.N.POTTS	DATE 20-08-2023
CHECKED	B.ISARD	DATE 20-08-2023
APPROVED	R.N.POTTS	DATE 20-08-2023

SURFACE FINISH | WEIGHT (Kg)

MATERIAL

ALTERNATIVE MATERIAL

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ALL DIMENSIONS IN MM
IF IN DOUBT, ASK - DO NOT SCALE

A3

TITLE **GNExCP7 ; STExCP8 ; WP7 CALL POINT WIRING / CIRCUIT OPERATION DIAGRAM**

SCALE	SHEET	DRAWING NUMBER
NTS	8 OF 8	D202-06-212