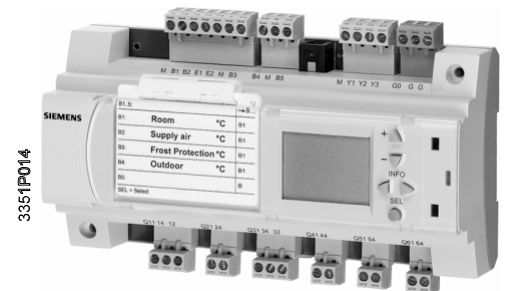


POLYGYR®

### RWX62...

HVAC

Comfort



P, PI, PID

가

3

Binary  
24V A.C

가

Comfort

- : -35...130 °C
- : 0...100 %
- : 0...20 g/kg
- : 0...100 kJ/kg
- : 0...40 bar
- : 0...10 bar
- : 0...500 Pa      0...3.00 kPa
- : 0...850 m<sup>3</sup>/s      m<sup>3</sup>/h      l/h
- : 0...2000 ppm CO<sub>2</sub> (      : 0...200 )

- : (2 ) , (2 ) 1...3
- (2 ) 가 1...3

- :
- 
- 
- 
- (Cascade)

- /
- /
-

/Binary	Binary		Binary	
3	2	3	0	<b>RWX62.5030</b>
5	2	3	2	<b>RWX62.7032</b>
5	2	3	4	<b>RWX62.7034</b>
5	2	3	6	<b>RWX62.7036</b>

**Spare parts**

POLYGYR

**CM2Z3351E**

&

( 가 )

**ARG62.120EN**

**PUP1.2**

Kit

**ARG62.10**

(Customer-specific)

∴

(Permanently configurable)

- 
- 
- 

SIEMENS

가

RWX62... POLYGYR

SIEMENS

∴

- SIEMENS Ni 1000 Ω 가
- 가 DC 0...10 V
- QAF63... QAF64... 1821 / 1283
- 가 QAA25 1721
- FZA21.11 + FZA61.11 198...
- 가 DC 0...10 V 46...
- 가 DC 0...10 V 45...
- 46...
- SEM 61.4 51...
- 34...

**Data sheet no.**

17... to 19...

17... to 19...

1821 / 1283

1721

198...

46...

45...

46...

51...

34...

POLYGYR RWX62....

**POLYCOPY**

POLYCOPY

, AC 24 V

POLYCOPY

가

RWX62...

RWX62...

Data Sheet

P, PI, PID

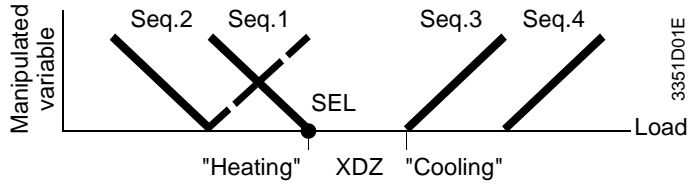
가 3

[SEQREG]

가 3

[DIGREG]

- 1 : seq.1 seq.3
- 2 : seq.1+2 seq.1+3 seq.3+4
- 3 : seq.1+2+3 seq.1+3+4
- 4 : seq.1+2+3+4



" " [SEL] 1 2 . ,

( ) .

, 1 .

" " 3 4 .

( ) .

Zero energy band

zero energy band (XDZ dead zone)

1 3 .

" " dead zone ( )

(Y1...3) / 1...6 Binary (Q1...6)

. ;

- DC 0...10 V
- Y- Binary (Q) (Y)
- ( : On/Off)

Binary

- 1 Binary (Q..)
- 2...6 (2...6Q)
- 2...4 Q Binary (2Q= 3- , 3Q= 7- , 4Q= 15- )
- Y... (Q...)

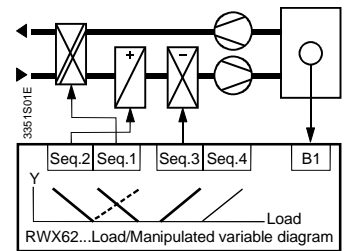
B1 =

Seq.1 = ,

Seq.2 = ,

Seq.3 = ,

Seq.4 =



가

/ )

[NIGHT] / [STNDBY]

E1 = " " (NIGHT)  
E2 = " " (STNDBY)

" " : [☾ NIGHT]

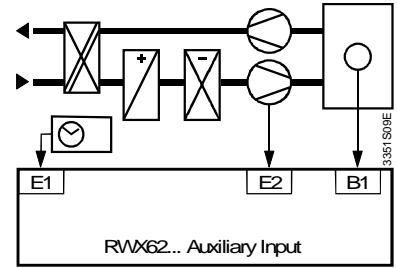
E1 Binary AC 24 V " -On "

( )

" " : [⏻ STNDBY].

E2 Binary AC 24 V ( 'Off' ) 가 ,

E1 E2 Binary Active



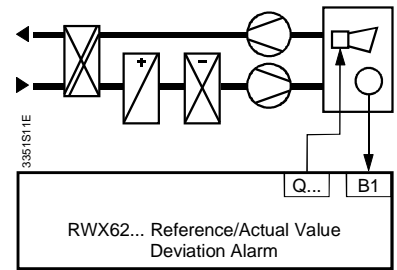
Active Inactive

/

[DEVALM]

Q... =

( 가 )  
Q...  
Close ( , LCD  
Return ,  
Off .  
Active



DEVALM

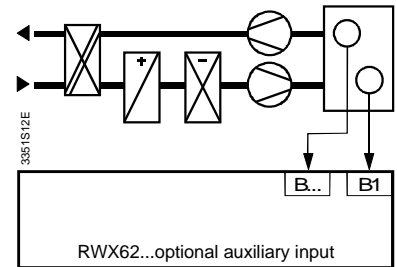
[TELSEL]

B... =

" "  
B... ( )

Dead zone [XDZ] " "

" "



[MULFUN] [COMP]

[CONST]

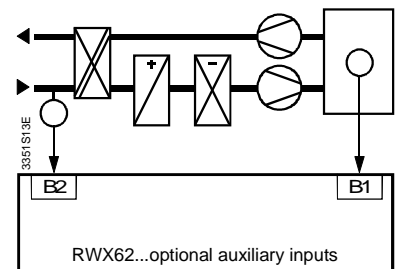
B2 = [MULFUN]

B1 = [SEQREG]

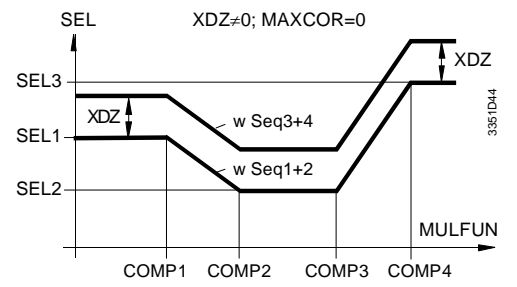
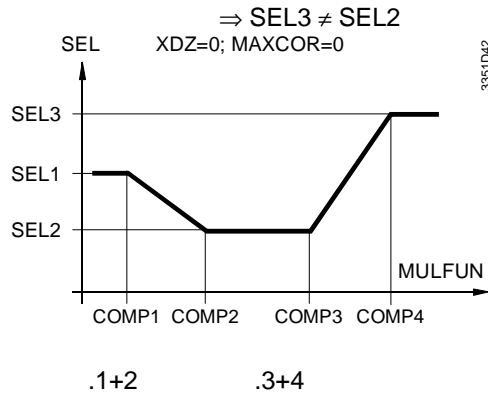
" "

Active

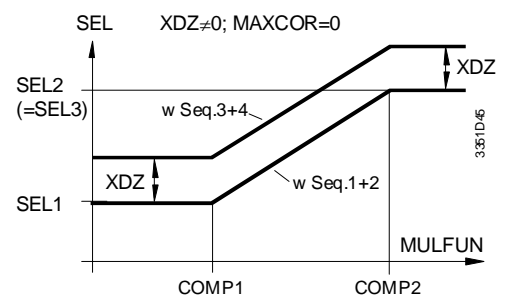
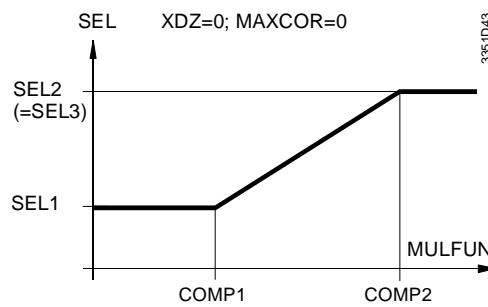
Active Inactive



MULFUN



⇒ SEL3 = SEL2



SEL3 = SEL2 , COMP3 COMP4

AUTO MODE “ ”

-MAXCOR... +MAXCOR

COR

AUTO MODE

“ ” , 가

∴

- 가 “ ” “ ”
- 가 “ ” “ ”

“ ” , “ ”

“ ” 가 1+2 “ ” COR 3+4  
COR 0 MAXCOR 2 가

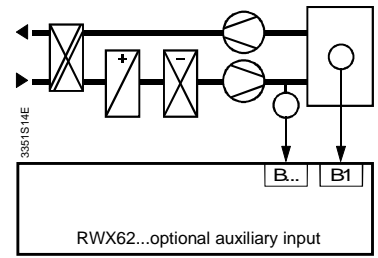
(PI) /

[LIM]

B... =

PI /  
.:  
•  
( )

Overdrive



[RELLIM].

•  
( B1 - B... )  
Overdrive

PI/PI

[LIM + CASC ACTIV]

B...

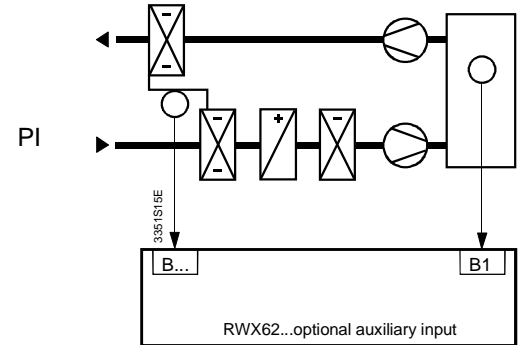
PI/PI /  
, PI

PI

1  
PI

[LIMSPE]

B... =  
( , / ).  
1  
가  
Overdrive  
가 , PI



3  
PI

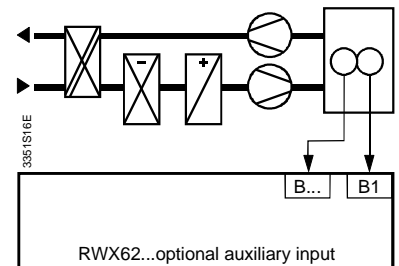
[LIMMAX]

B... =

PI  
3  
( )  
, PI

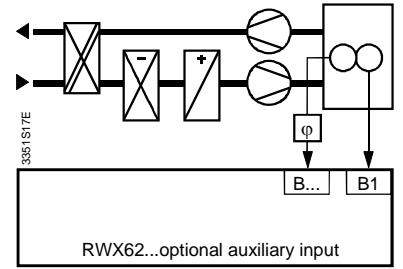
Overdrive

3



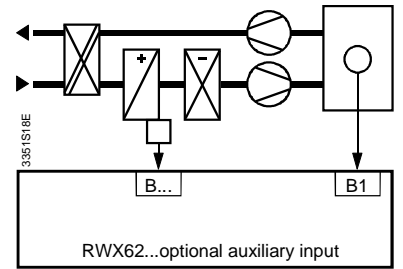
[MAXPRI]

B... = 가 DC 0...10 V  
 ( 가가 가 ).  
 3 / :  
 3 B... . [MAXPRI].  
 / ( ) 가



[\*PROT]

B... = AC 24 V  
 /  
 2 :  
 B... :  
 • VM Y 가 1+2 100 %  
 • 가  
 • Level  
 • LCD  
 AC 24 V 가 B... 가 ( ),

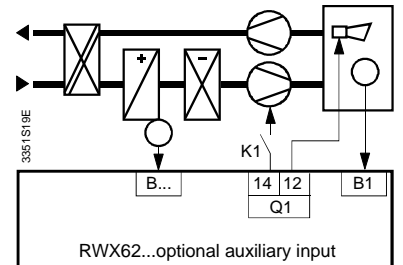


“ ” , 가 , ( ;  
 ),

Super PI

[S\*PROT]

B... =  
 Q1=  
 Open Q14: ,  
 Close Q12: ( ; ).  
 K1 Digital 가  
 (Q1) /  
 2- , /2-



Super 가 ::  
 1. Super PI :  
 가 , PI  
 Overdrive . , Y Level 가  
 . (100%)  
 • :  
 - 7K  
 - Active 1...4 .

- : 7K . ;
- VM Y가 ( ) 1+2 . ;
- Y-

**2. 2- Super :** Super PI 가

Super

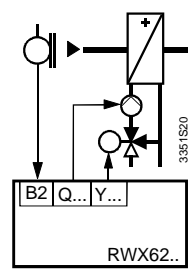
- Q1
- VM Y 1+2 100%
- Level
- LCD
- 가

- [AUTO]
- ( ) [MANUAL]
- 30 3 ( ) [MANU3]



, Super 가 , Super  
 Super Super , Super  
 Super Super , Super  
 Super , Super

[MULFUN] [RELEAS ACTIV]  
 Y... 가 Q... :  
 B2 = ( ) :  
 Q... 가 :  
 Super 가 (. , <2 °C)  
 . ( )





[MULFUN] / [ALTDIR]

[REVERS] ( \ \ \_ // ) [DIRECT] ( \ / \_ // )

가 .:

1. Digital AC 24V [DIG]

[DIG] [ALTDIR]

2. 가 [ABS]

::

MULFUN : [MULFUN]

MULFUN ALTDIR : [ALTDIR]

ALTDIR : [ALTDIR]

3. 2 (ΔB...-B...)

B 가 (1xNi; 2xNi or VOLT °C) 가 .

가 .:

MULFUN : [ΔB... MULFUN – B... SEQREG]

MULFUN ALTDIR : [ΔB... MULFUN – B... [ALTDIR]

[MULFUN] [LOCK]

[LOCK] [MULFUN] 가

가 . ( , )

[LOCK] 1+2 / 3+4

. (1= )

1: E2 "OFF" [STNDBY]

2: E1 "Night" [NIGHT]

3: "Day" [MODE]

1. [T1 T2]

2. [ \* PROT] [S \* PROT]

3. [MULFUN] Qs [RELEAS]

4. 3 [MAXPRI]

5. 1 3 [LIMSPE] [LIMMAX]

6. [LIM]

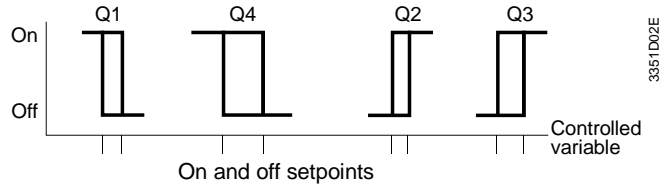
7. MULFUN [LOCK]

8. [SEQREG]



[DIGREG]

가 1...6 (Q1...6) 가 . ( On Off ) 가  
 : 4 가 .



[STNDBY]

E2 AC 24 V ( Q Off )  
 ( ) . ,  
 , E2 가 가  
 .  
 .

(B)

1 x NI °C 2 x NI °C

-50 °C 150 °C Interruption

- LCD ERROR 가 .  
 - : 0 % .

- Super : Super  
 - : .

1200 Ω , Interruption ,

- LCD ERROR 가 .  
 - : 0 % .

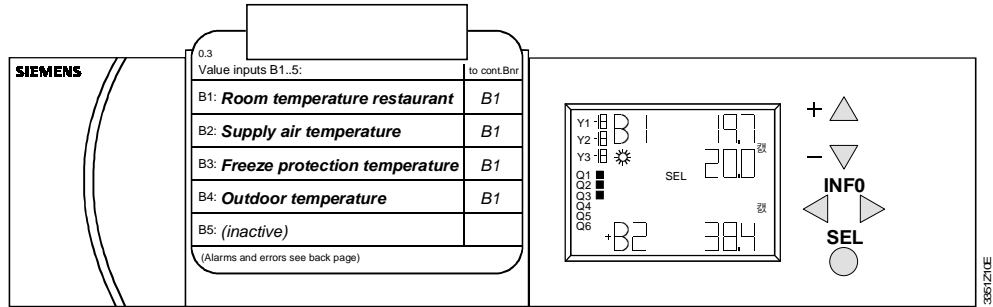
- : .

DC 0...10 V

-1.4 V 11.4 V , .

- LCD 가 , ,  
 - 가 , ,

- DIN 43 880
- Guard busbar 가 가 (EN 50 022-35x7.5)
- 2
- ARG62.10
- Plug-in . G, G0
- PC Tool
- RWX62...



↑ ↑ ↑

LCD

- 가 . ( ) .

LCD

LCD . :  
( 3 )

INFO

INFO ( ) .  
(<) , (>)

가

(>)

SEL

SEL

+/-

+/-

가

. :

가

- LCD
- (" ")

Parameter Mode

(MINSEL...MAXSEL +/- MAXCOR)

가

- 가 Super

Configuration mode

가

. :

Parameterization mode

Simulation mode



HVAC 가

- ( )
- ( )
- ( , / )
- ( )
- 가 ( , / , / )

POLYGYR CM2Z3351E

**Configuration mode 2** [CO2] Configuration mode  
2가 , , .

**Configuration mode 1** [CO1] , °C/K °F , P/PI PID , .

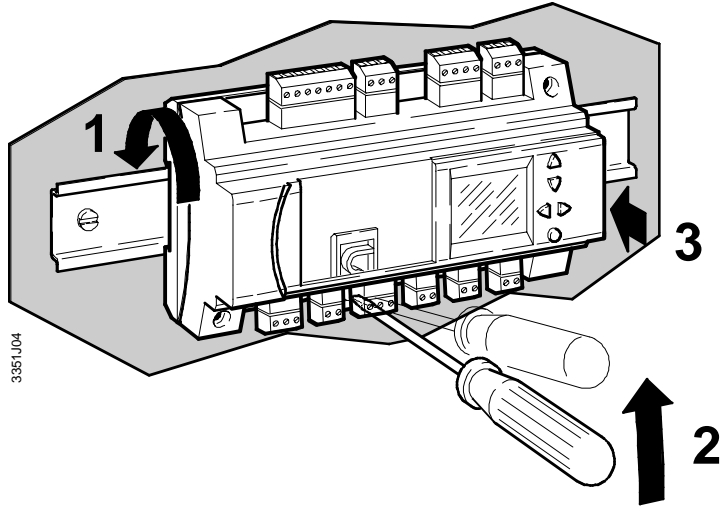
**Parameterization mode 2** [PA2] , , , .

**Parameterization mode 1** [PA1] .

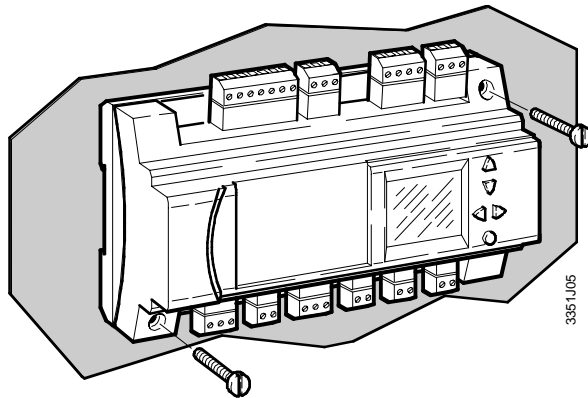
**Simulation mode** [SI] Simulation mode , 가 ( ) 가 ( ( ) ) LCD .

DIN                    가                    . (A).  
                           3.7 mm                    2 가                    . (B).  
                           ,                    ARG62.10                    . (C)  
 Plug-in                    ,                    litz                    .  
 (                    litz                    )

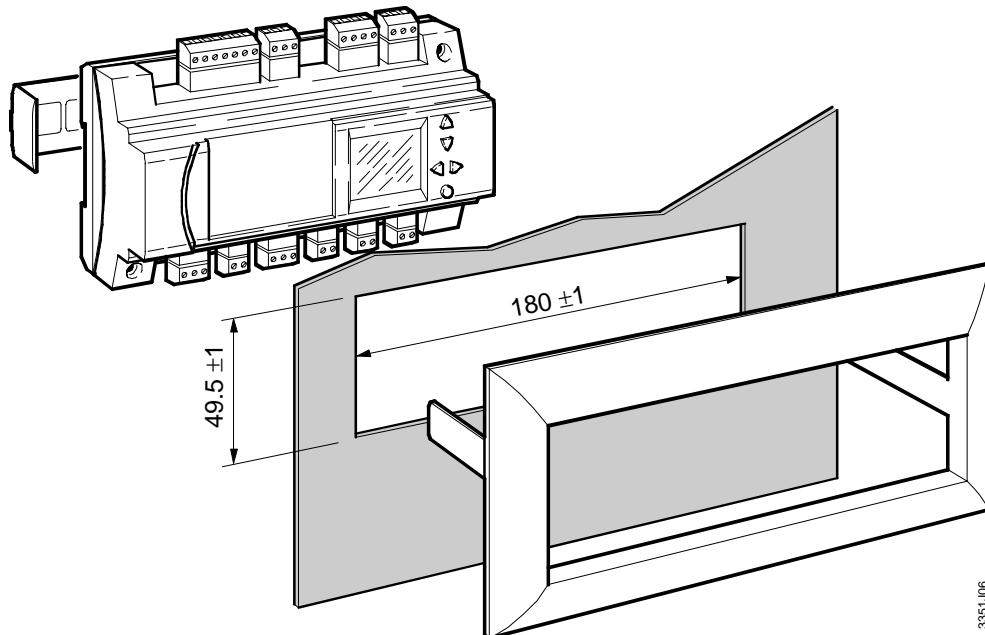
DIN                    (A)



(B)



(C)



POLYGYR 가 (shielded cables)  
 EN 60 730 SELV(Safety Extra Low Voltage)  
 EN 60 742 가 , 100%

POLYGYR RWX62... AC 24 V , G0 10 A  
 AC 24 V 가 AC 24 V , 42 V  
 Q AC 250 V

Configuring and parameterizing

- 
- (project-specific entries)
- 
- HVAC 가
- AC 24 V
- 
- 
- blank tables
-



SELV(Safety Extra Low Voltage)

AC 24 V ±20 %  
Q1...Q6 AC 24...230 V)  
EN 60 730  
50 Hz / 60 Hz

RWX62.5030  
RWX62.7032  
RWX62.7034  
RWX62.7036  
Refresh

4 VA  
5 VA  
6 VA  
7 VA  
1

(LCD)

100  
100  
10

3  
0.1  
1  
0.01

(-1...11 V)

2 , 1 Volt / 10 %  
OFF/ON

IEC 721-3-2  
Class 2K3  
-25...+70 °C  
< 95 % r.h.  
Class 2M2

IEC 721-3-3  
Class 3K5  
0...50 °C  
< 95 % r.h.

EN 60 730

IP 20 as per EN 60 529  
IP 40 as per EN 60 529

가

EN 60 730

UL 916

as per ISO 9001



EMC

89/336 EEC  
73/23/EEC

EN 50 081-1  
EN 50 82-1  
EN 50 82-2  
EN 60 730

\*

\* RWX62... "EN 50 082-2

- 1.
- 2.
- 3.
- 4.

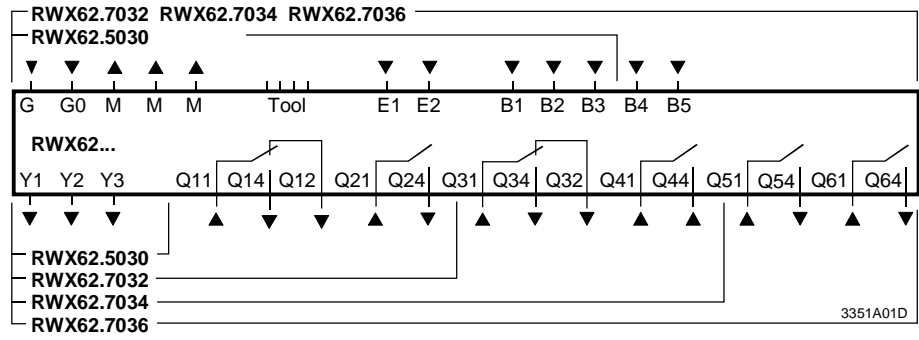
RWX62...

( 가 ).

	Plug-in	0.5 mm 2x1.5 mm <sup>2</sup>	1x 2.5 mm <sup>2</sup>
	POLYCOPY	4	
( )	RWX62.5030 RWX62.7032 RWX62.7034 RWX62.7036	0.38 kg 0.40 kg 0.44 kg 0.46 kg	
	" "		
<b>B1...5</b>			
(SIEMENS Ni 1000 / 0 °C)	RWX62...	-35...130 °C -50...150 °C 0 °C < 0.05 K at 0 °C -0.5K ...+0.5 K DC 5.0 V 2.6...3.4 mA max. 300 m ( 1 K 4.5 Ω)	
	≥0.6 mm		
SIEMENS Ni 1000 (2 x LG Ni1000 / 0 °C )	RWX62...	-35...130 °C -50...150 °C < 0.1 K / 0 °C -1K...+1 K DC 5.0 V 3.1...3.9 mA 300 m ( 1 K 2.25 Ω)	
	≥0.6 mm		
( °C, % )			
	RWX62...	DC 0...10 V DC -1.4...11.4 V 1.0 mV 0 V -0.1...+0.1 V 10 V -0.25...+0.25 V 0.11 mA ≥ 100 kΩ 300 m;	
	R <sub>i</sub> ≥0.6 mm		
<b>B2...5</b>			
	RWX62...	0...1000 Ω 1200 Ω 0.15 Ω 1000 Ω -2.5 Ω...+2.5 Ω 0 Ω -5 Ω...5 Ω DC 5 V 2.9...4.4 mA 300 m ( 1 % 10Ω)	
	≥0.6 mm		
Binary		AC 24 V ≤ 8 mA AC ≤ 5 V eff. AC ≥ 15 V eff.	
	log. 0 log. 1		



Binary E1, E2	가	AC 24 V ≤ 8 mA 300 m
Y1...Y3	≥0.6 mm	DC 0...10 V DC -1.4...11.4 V 15 mV ±1 mA
Binary Q1...Q6	Q1..Q6	AC 24...230 V, 4 A res., 3 A ind. DC 50 V, 40 W, 5 A
	AC DC	AC 230 V / 5 mA DC 24 V / 10 mA
	On	10 A (1 )
	0.1 A 0.5 A 3 A	$2 \times 10^7$ $2 \times 10^6$ $2 \times 10^5$
	Red. factor ( = 0.8)	0.85 $2 \times 10^5$
	ON/OFF	10 A Q1 Q3 Q2, Q4...Q6
		AC 3750 V, as per EN 60 730 - 1 AC 3750 V, as per EN 60 730 - 1



G-G0 : AC 24 V

M : , , ( G0)

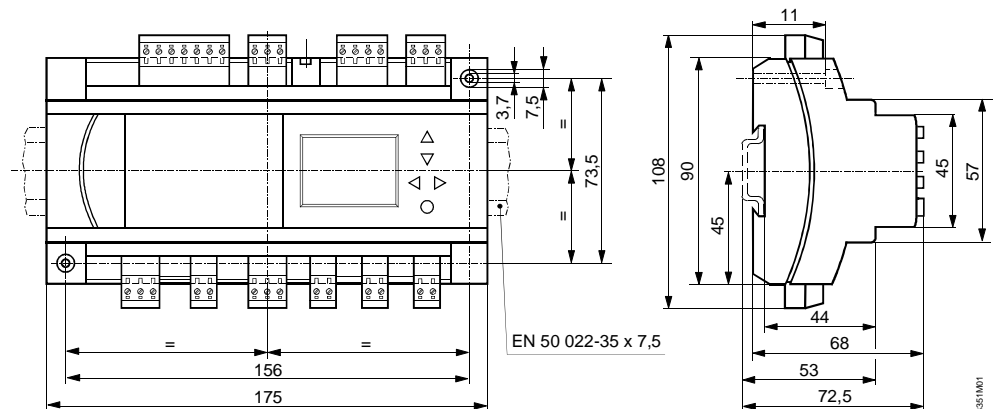
B :

E : Binary

Y :

Q : Binary ,

Tool : POLYCOPY



: mm

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