

- Panel to indicate failures in voltage systems according to DIN VDE 0100-710 with audible and visible alarm
- Button for reset and lamp test
- External connection of reset- and lamp test button possible
- Button for function test
- Built in audible alarm
- Deenergised on trip
- Flush mounting, surface mounting or built-in model

Function diagram

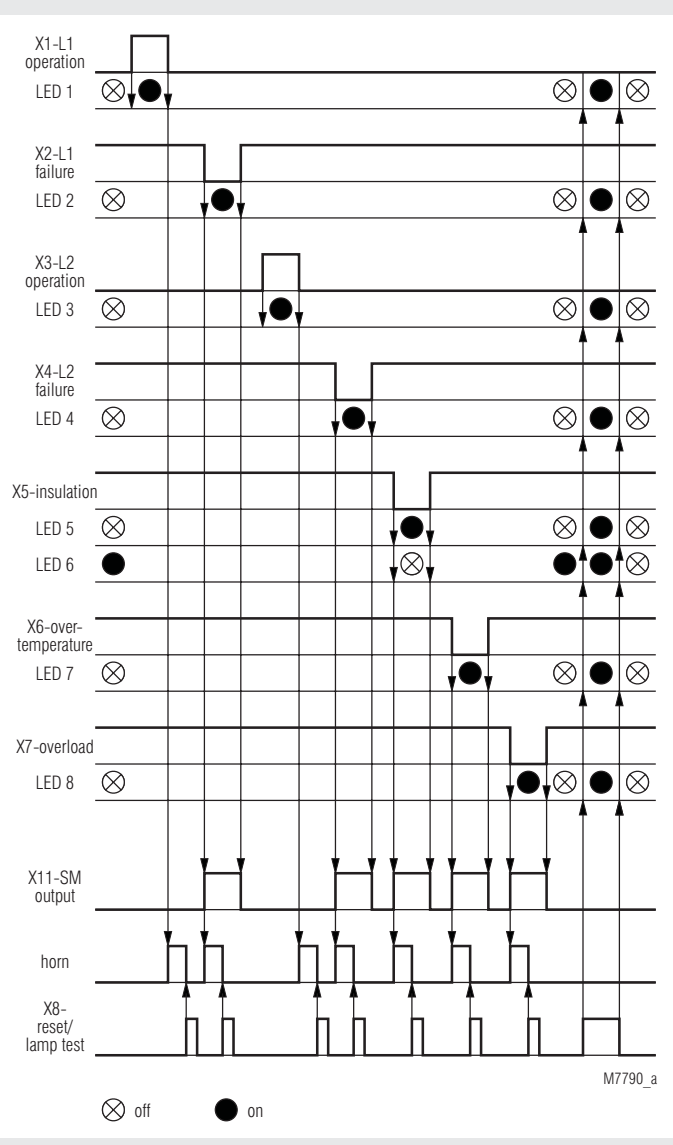
Approvals and marking



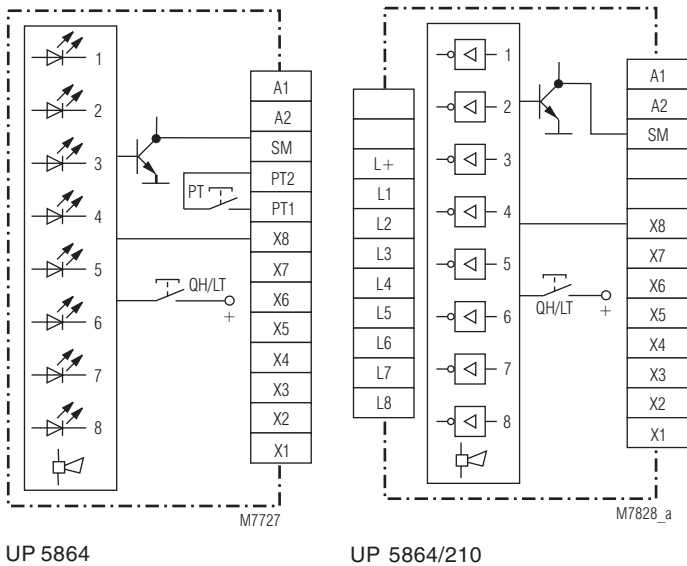
Indication

LED indicators: on, when function active

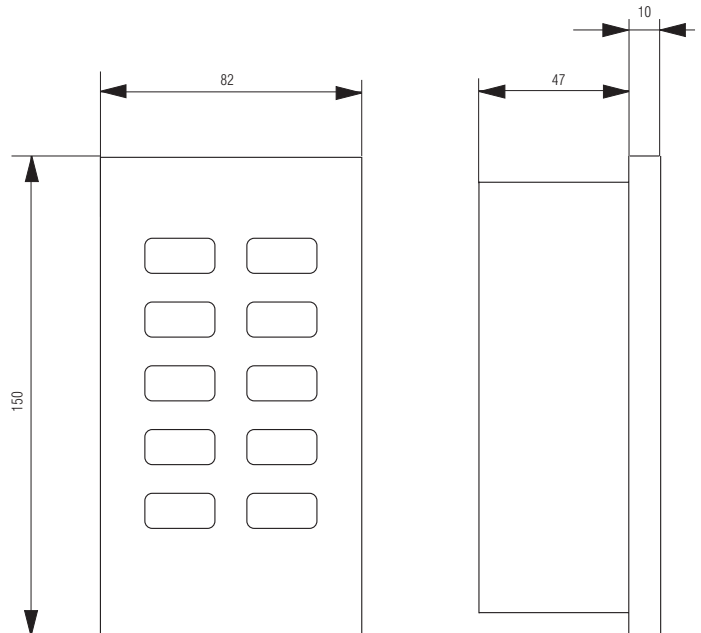
Indicator	Function
Line 1 active:	The voltage supply comes from the preferred input
Line 2 active and line 1 failure:	The voltage supply comes from line 2 because the preferred input is faulty
Line 1 active and line 2 failure:	The voltage supply comes from the preferred input, but line 2 is not available
Line 2 active and line 1 failure and line 2 failure:	The voltage supply comes from line 2 as line 1 is on failure and line 2 is on undervoltage
Overload:	The IT-system takes to much current
Overtemperature:	The transformer for the IT-system is overloaded
Insulation o.k.:	The insulation resistance of the IT-system is high enough
Insulation failure:	The insulation resistance of the IT-system is to low



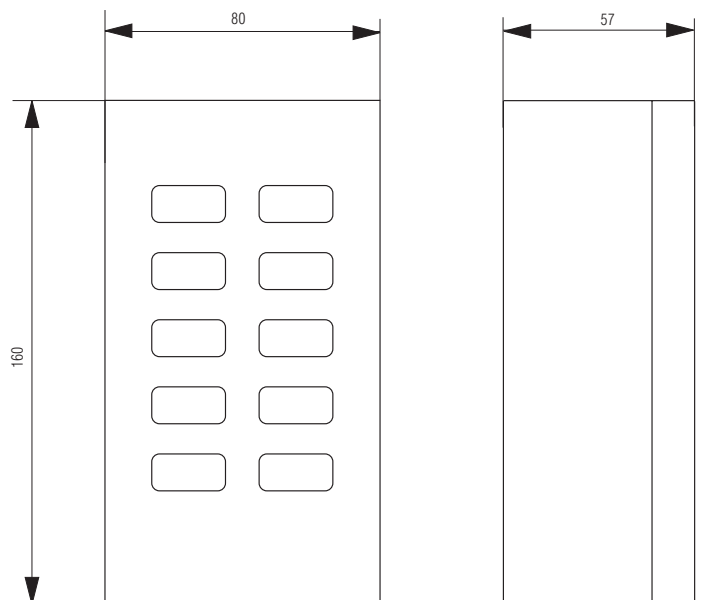
Circuit diagrams



Dimensions



Flush mounting



Surface mounting

Technical data

Input

Nominal voltage U_N:	AC/DC 24 V
Voltage range:	AC 0,8 ... 1,1 U_N DC 0,9 ... 1,2 U_N
Current per input:	0,25 mA
Nominal consumption:	6 VA

Output

Semiconductor output SM:	UP 5864.91	1 NO Transistor output
Switching capacity of the semiconductor output:		
Switching voltage:	30 V	
Switching current max.:	100 mA	
Switching capacity of the lamp output:		
Switching voltage:	50 V	
Switching current max.:	50 mA	

General data

Operating mode:	Continuous operation
Temperature range:	- 20 ... + 45°C
Clearance and creepage distances	
overvoltage category / pollution degree:	4 kV / 2 IEC 60 664-1
Degree of protection:	Housing: IP 40 IEC/EN 60 529 Terminals: IP 20 IEC/EN 60 529
Housing:	Thermoplastic with V0 behaviour to UL subject 94
Vibration resistance:	Amplitude 0,35 mm, frequency 10 ... 55 Hz IEC/EN 60 068-2-6
Climate resistance:	20 / 045 / 04 IEC/EN 60 068-1
Terminal designation:	EN 50 005
Wire connection:	1 x 1,5 mm ² solid or 1 x 1 mm ² stranded wire 1 x 0,5 mm ² stranded ferruled 2 x 0,5 mm ² solid 2 x 0,2 mm ² stranded wire DIN 46 228-1/-2/-3
Wire fixing:	Box terminal with wire protection
Weight:	200 g

Dimensions

Width x height x depth:	
Flush mounting:	82 x 150 x 57 mm
Surface mounting:	80 x 160 x 57 mm

Accessories

Power supply unit IP 5592/107

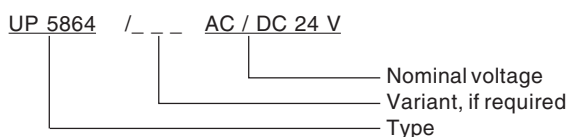
Standard type

UP 5864	AC/DC 24 V		
Article number:	0052311		stock item
• Nominal voltage U_N :	AC/DC 24 V		
• Flush mounting fixed terminals			

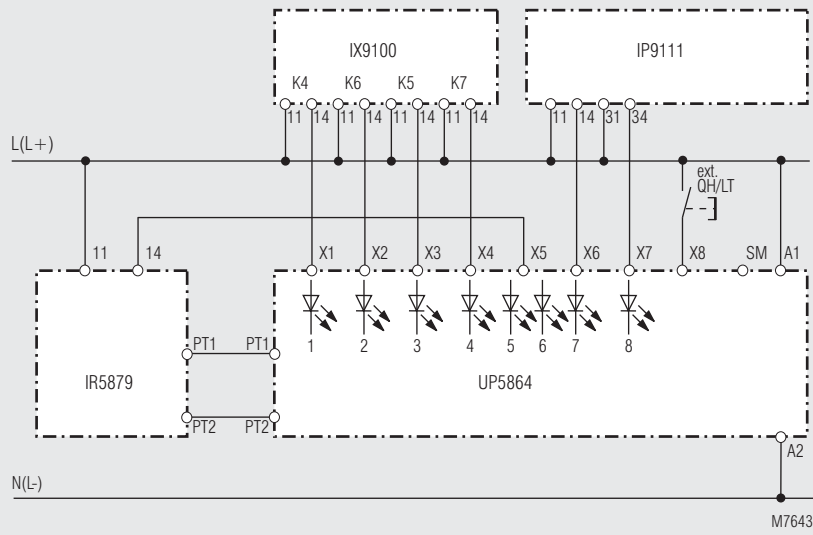
Variants

UP 5864/010:	Flush mounting plug-in terminals
UP 5864/100:	Surface mounting fixed terminals
UP 5864/110:	Surface mounting plug-in terminals
UP 5864/200:	Built-in model fixed terminals
UP 5864/210:	Built-in model plug-in terminals

Ordering example for variants

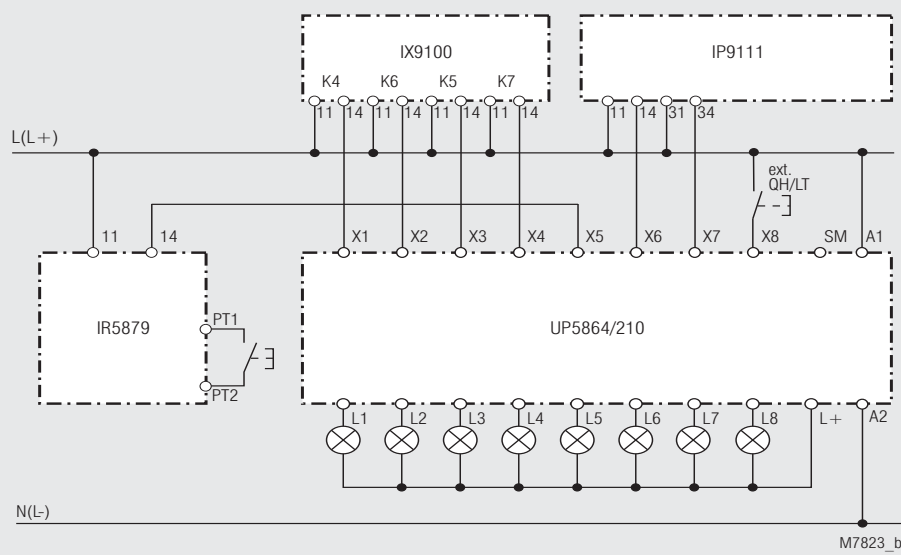


Connection diagram for flush or surface mounting



- X1 - X7 Signal inputs
- X8 Reset audible alarm / lamp test
- SM Common alarm
- PT1 - PT 2 Function test

Connection diagram (built-in model)



- X1 - X7 Signal inputs
- X8 Reset audible alarm / Lamp test
- SM Common alarm
- PT1 - PT 2 Function test
- L1 - L8 Outputs for lamps
- L+ Supply for lamps

