



UNILIGHT PPI

Point Position Indicator

Description

The voestalpine point position indicator shows the driving route that the point or double-slip point is set for. The signal is available in two versions:

- » Standard
- » Matrix

Standard Version

The standard version is available with either three or five LED lights:

- » The version **WLM** for single points with three LED-lights on the front and rear side each
- » The version **DKWLM** for double-slip points with five LED-lights on the front and rear side each

The point position indicator **WLM** has three lights on front and back side each. Thus, the signal aspect is visible from both driving directions. Two of these lights are active at the same time and show the signal aspects Wn1 (straight) or Wn2 (branch).

The double-slip point position indicator **DKWLM** has five lights on front and back side each. Three of these lights



are active at the same time and show the signal aspects Wn3 (straight from left to right), Wn4 (straight from right to left), Wn5 (branch from left to left) or Wn6 (branch from right to right).

Matrix Version

This signal has two matrix circuit boards in the front and rear sides. The signal indicates the position of the point, in the facing and trailing direction, or the state of the derailer. The LEDs can be used to display any symbol. A total of up to 1024 different symbols can be stored.

System advantages

- » Possible areas of application for the signals are light railways, trams, suburban and underground trains
- » Change of color and blinking lights possible
- » The operation of the PPI is monitored at all time, errors will be displayed
- » Brightness of the signal can be adapted
- » The power supply is protected against reverse polarity and power surges
- » Insensitive against vibrations



FEATURES UNILIGHT PPI:

Technical Description:








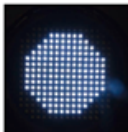
Standard Version	Value:
Nominal operating voltage	24VDC (min. 20VDC / max. 36VDC) Optional 60VDC (Min. 36VDC / Max. 75VDC)*
Environmental temperature	-35°C until +70°C
Environmental air humidity	0 % until 95 % (rel)
Nominal power consumption (WLM / DKWLM)	25W / 35W (at 24VDC)
Reverse polarity protection	Yes
External dimensions (W x H x D)	360 mm x 360 mm x 100 mm
Protection class	IP 54

* In this case, electric shock protection must be provided, e.g. with appropriate terminals








MATRIX Version	Value
Nominal operating voltage	24 V DC (+ / - 10%)
Environmental temperature	-20° to +70°
Environmental air humidity	5 % until 95 % (rel)
Nominal power consumption (WLM / DKWLM)	20 W
Reverse polarity protection	Yes
External dimensions (W x H x D)	326 mm x 285 mm x 246 mm
Protection class	IP 65

SIGNALASPEKTE:

Auswahl an möglichen Signalaspekten der Matrix Variante:

Spezifikation PPI Profil	Signalaspekt	Port Nr.	voestalpine LED Display Profil
	Weiche links	1	
	Weiche rechts	2	
	Weiche geradeaus	3	
	Abzweigungs- richtung	4	

Auswahl an möglichen Signalaspekten Gleisperrschuh:

Spezifikation PPI Profil	Signalaspekt	Port Nr.	voestalpine LED Display Profil
	Gleisperr- schuhposition (Vorderseite)	5	
	Fahrt (Vorderseite)	6	
	Fahrt (Hinterseite)	7	
	Gleisperr- schuhposition (Hinterseite)	8	