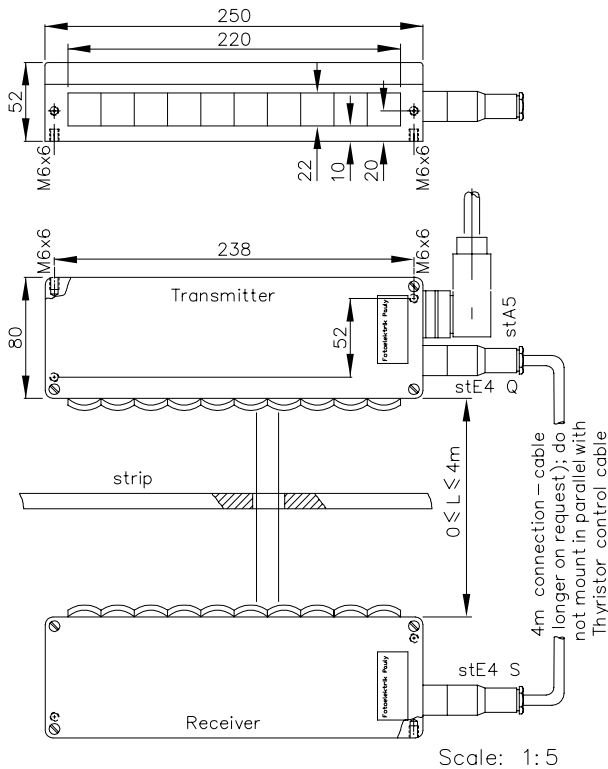
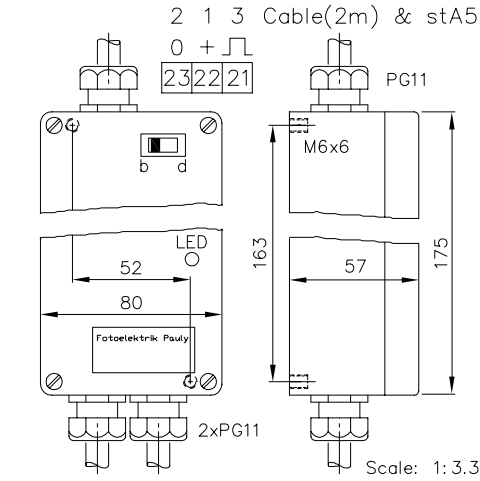


## Hole Detector Type PP2441(q)/220/R28

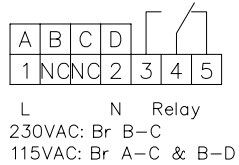
### For Detection Of Welded Seams



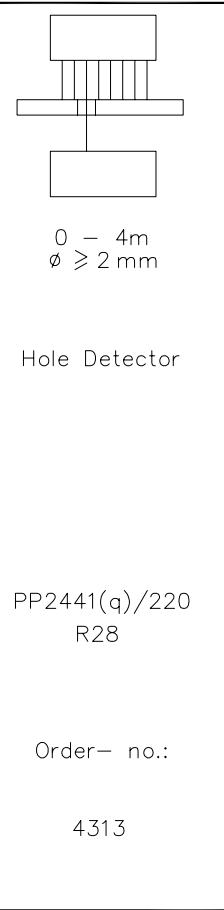
Scale: 1:5



Scale: 1:3.3



Time Delay: 0-3s  
Control unit  
PP83201/2 z3



#### Technical Characteristics:

Housing	Al-Cast
Weight	approx. 2500g
Protection Mode	IP65
Supply	230/115VAC, 10VA
Output	Relay 250VAC/110VDC, 8A, 1500VA/150W, 1xCh, R
Switching Mode	bright-/darkswitching, selectable
Transmitter Light	GaAs 880nm
Steady Light Resistance	>80kLx
Interference Suppressor	forced synchronisation
Access Time	q <2ms/switch Transition
	normal <12ms/switch Transition
Switching Frequency	q Relay: 10/s; electron.: 300/s (opt.)
	normal Relay: 10/s; electron.: 40/s
Switch Indicator	LED
Time Delay	0...3s switch-on-off-delay, z3
Ambient Temperature	-25...+60°C

#### Accessories:

Cooling Water Flange 2xKW28 (then milled wall, y)

#### Special Design:

Supply Voltage 24VDC, 42...48VAC  
Outputs pnp, e2; npn, e3; Optocoupler, e1; antival. pnp (nnp), e4 (e5)

Heat-protected optical system, pl

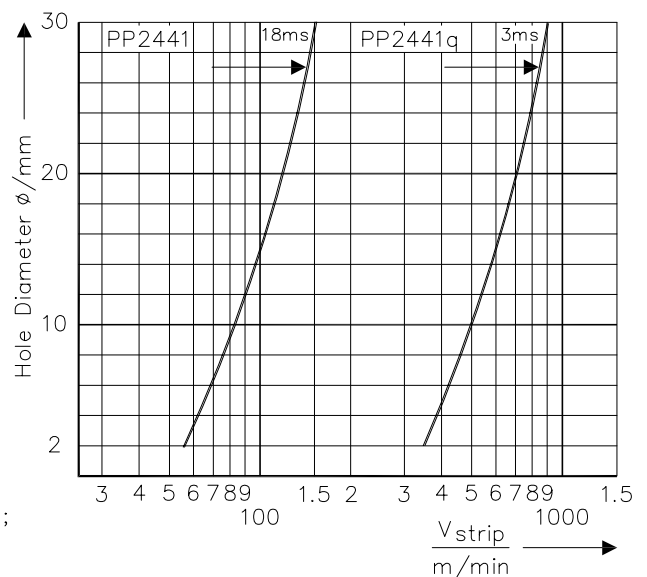
#### Application:

Location of hole- marked welded seams

#### Hints:

Speed of strip and diameter of holes define whether a normal- or q-device will be required ( see diagram ). In case of strip speeds above 900m/min please contact us for information.

The (non transparent) strip has to cover the device completely; in case of smaller strips the flanks of the device have to be covered by means of non transparent material.



4313 DE (30.07.96 tb)  
E 4313 1 (17.06.02 tb)  
(19.12.89 kg) (02.08.02 tb)  
(20.06.95 tb) 18.11.04 m)