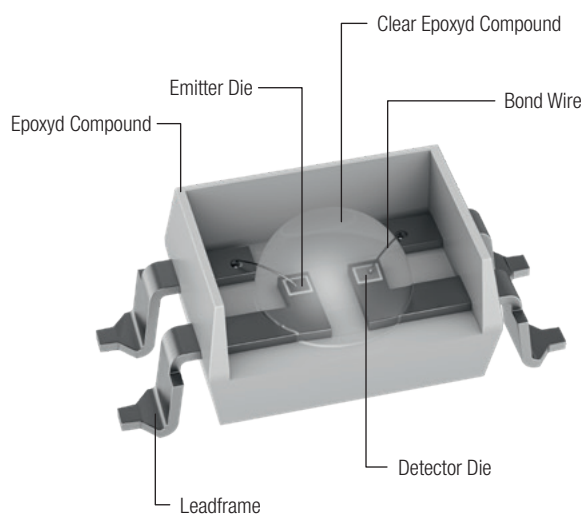


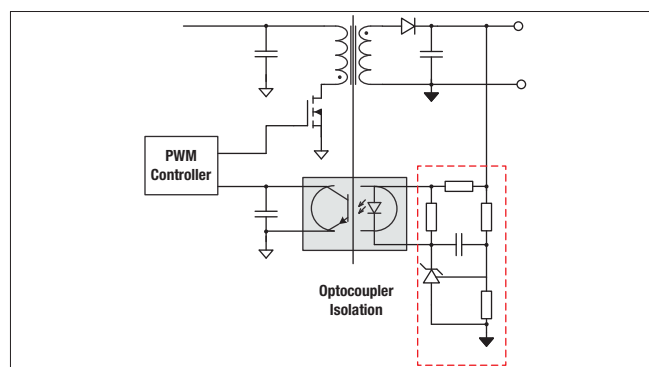
# Optocoupler



## Benefits of Optocoupler

- Protect your application against overvoltage
- Isolation of persons from dangerous electrical installations
- Isolation of electrical systems
- Separation of low-voltage from high-voltage circuits

## Application Example



Package	DIP-4 Leadframe Options (M, S, SL, SLM)	SOP-4	LSOP-4
Dimensions [mm] (L x W x H)	10.16 x 4.58 x 3.9	7.0 x 3.6 x 2.0	10.20 x 3.60 x 2.00
Series	Series 816/817	Series 356/357	Series 10xx
<b>DC Series</b> 			
<b>AC Series</b> 	<b>Series 814</b> 	<b>Series 354</b> 	



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# Optocoupler

## Isolation Types

### Magnetic Isolation with Transformers



- For high frequency AC signal transmission with high isolation voltage
- Robust solution and very long lifetime

### Electrical Capacitive Coupling



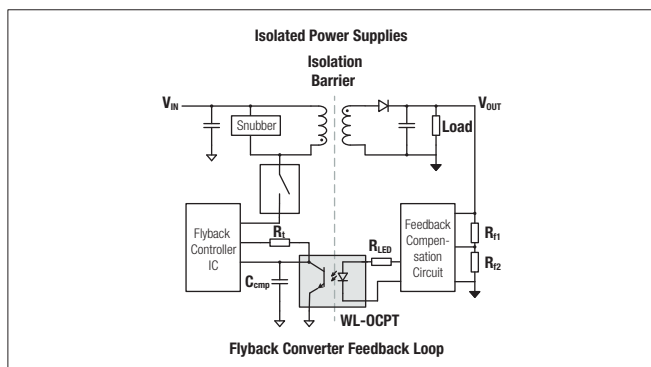
- Excellent for very high frequency AC signal transmission

### Optical Coupling with Optocoupler

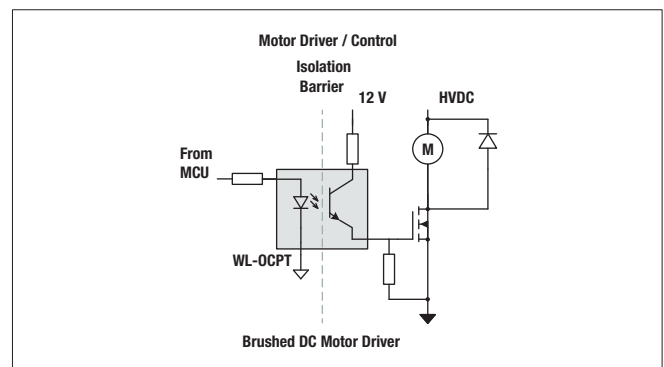


- Excellent electrical noise immunity with high isolation voltage in small package
- DC and AC, analog and digital, low and medium-frequency signal transmission

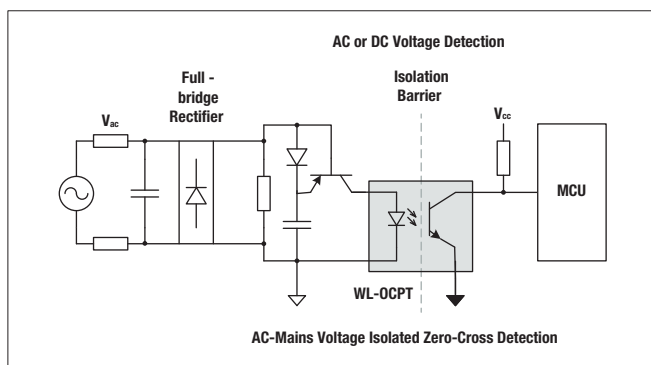
## Application Examples of Optocouplers



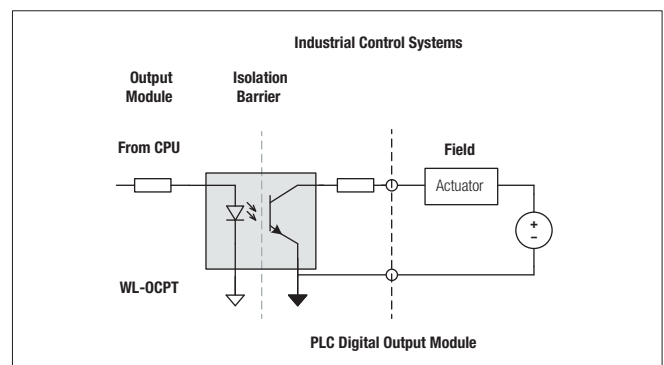
*Providing robust galvanic isolation of feedback control loop in SMPS*



*Breaking ground loops and providing safety isolation in high-voltage motor drivers*



*Safety isolation in phase-controlled AC motor, safety relays/ switches, etc.*



*Ensuring noise immunity and safety in industrial environments*

**All technical details:**  
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