

# XXHV Series

## High Voltage Relays



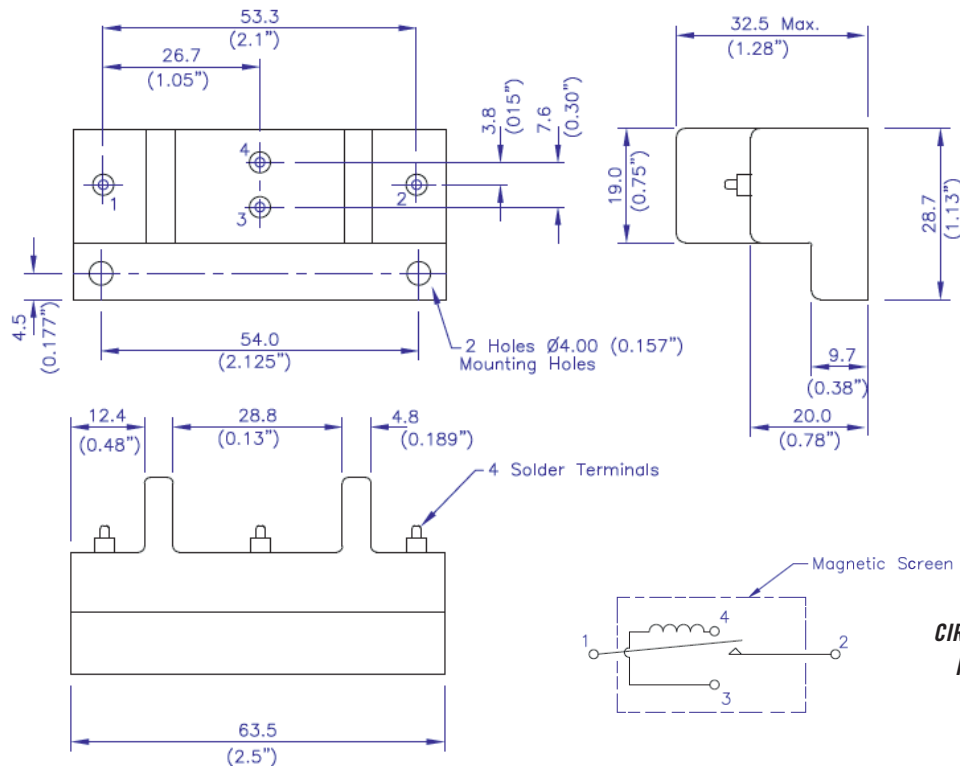
CONTACT DATA						
Switch	Max Switching Voltage	Max Switching Current	*Max Switching Power	Min Voltage Isolation	Max Current Carry	Max Initial CR
35	1750V DC	3 Amps DC/RMS	50 Watts Resistive	3500V DC	4.5Amps DC/RMS	0.100 Ohms
75	3750V DC			7500V DC		
100	5000V DC			10000V DC		
*Switching power: Any combination of V & A not to exceed their individual maximum values.						

COIL DATA						
Part No.	Switching Action	Nominal Voltage	Operate Voltage	Release Voltage	Max Voltage	Resistance $\pm 10\%$ @25°C $\pm 5^\circ\text{C}$
6HV1A	1 Form A (1 SPST N/O)	6V DC	5V DC	0.5V DC	9V DC	25 Ohms
12HV1A		12V DC	11V DC	1.0V DC	18V DC	100 Ohms
24HV1A		24V DC	19V DC	2.0V DC	36V DC	400 Ohms
6HV1B	1 Form B (1 SPST N/C)	6V DC	5V DC	0.5V DC	9V DC	25 Ohms
12HV1B		12V DC	11V DC	1.0V DC	18V DC	100 Ohms
24HV1B		24V DC	19V DC	2.0V DC	36V DC	400 Ohms

### NOTES:-

To order, specify as follows: 6HV1A35 is a 6HV1A relay with 3500Vdc (isolation) switch

OPTION:- Relays available in form B up to 7500V



MECHANICAL DIMENSIONS

CIRCUIT DIAGRAM  
Form A (N/O)

All dimensions in mm (inches)

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ISO9001 CERTIFIED

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Sensata:

[12HV1B100](#) [24HV1B100](#) [6HV1A100](#) [6HV1B100](#)