

Miniature General Purpose Relay HY

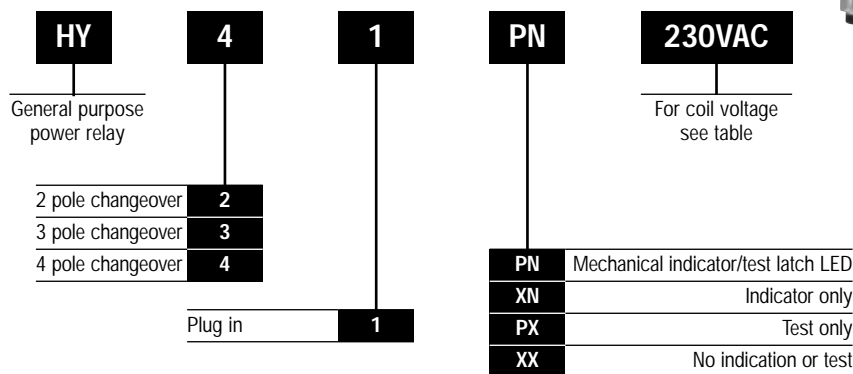


General purpose 5,7 amp Plug in Power Relay,
available in 2PCO, 3PCO and 4PCO

- Arc barriers prevent flashover between contacts
- Manual operator for circuit testing with latch facility
colour coded for AC/DC identification
- Mechanical flag indicator showing armature operation
- LED indicators showing coil energisation
- UL and cUL approvals



Options and ordering codes



Specification

| Type | HY21 Resistive | HY31 Resistive | HY41 Resistive |
|------------------------------------|-------------------------|-------------------------|-------------------------|
| Contact configuration | 2PCO | 3PCO | 4PCO |
| Rated load @ 250VAC/24VDC | 7A | 7A | 5A |
| Rated current | 7A | 7A | 5A |
| Maximum switching voltage AC/DC | 250 | 250 | 250 |
| Maximum breaking capacity | 1750VA | 1750VA | 1250VA |
| Operate time (typical value) | 25ms | 25ms | 25ms |
| Release time (typical value) | 25ms | 25ms | 25ms |
| Dielectric strength coil – contact | 1500 VAC | 1500VAC | 1500 VAC |
| Ambient operating temperature | -55°C + 70°C | -55°C + 70°C | -55°C + 70°C |
| Mechanical service life | 20 million ops. minimum | 20 million ops. minimum | 20 million ops. minimum |
| Electrical service life at load | 100,000 ops. minimum | 100,000 ops. minimum | 100,000 ops. minimum |
| Protection degree | IP40 | IP40 | IP40 |
| Contact material | AgNi | AgNi | AgNi |
| Voltage range | 80-110% | 80-110% | 80-110% |
| Power consumption | 1.2 VA AC : 0.9 W DC | 1.2 VA AC : 0.9 W DC | 1.2 VA AC : 0.9 W DC |
| Weight | 37g | 37g | 37g |

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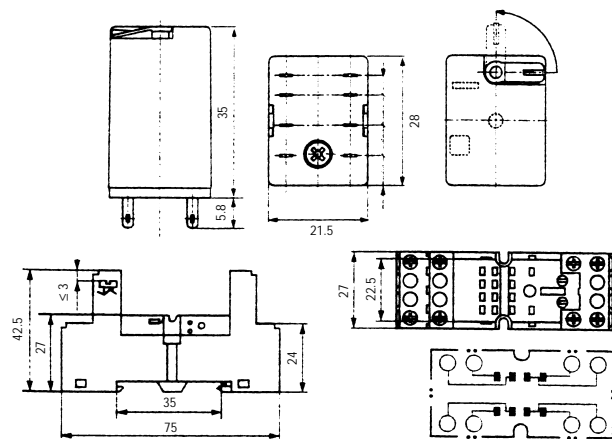
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Coil Data

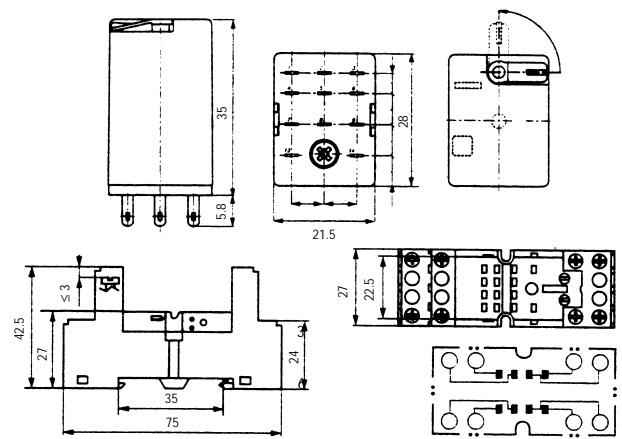
| Rated Voltage AC 50/60Hz | Coil resistance $\pm 10\%$ at 20°C Ω |
|-----------------------------|--|
| 12VAC | 46 |
| 24VAC | 184 |
| 48VAC | 735 |
| 110VAC | 4550 |
| 230VAC | 14400 |
| 12VDC | 160 |
| 24VDC | 650 |
| 48VDC | 2600 |
| 110VDC | 1100 |

Outline dimensions (mm)

HY21 plug-in version, screw terminals socket **SRN2-S**



HY31 plug-in version, screw terminals socket **SRN3-S**



HY41 plug-in version, screw terminals socket **SRN4-S**

