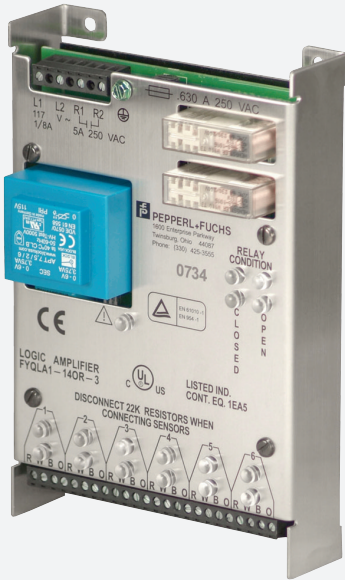
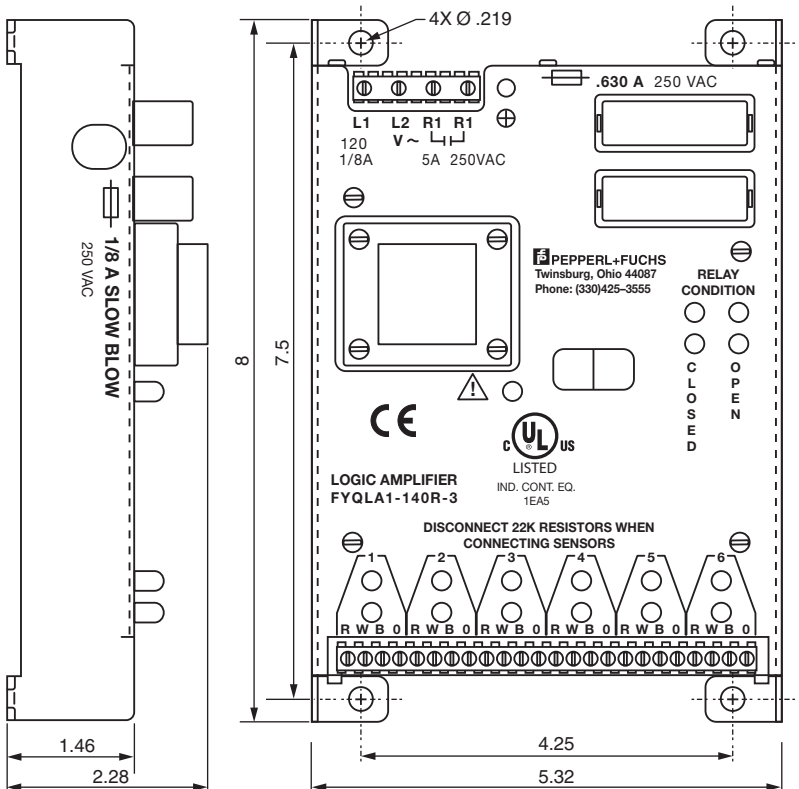


Logic Amplifier FYQLA1-140R-3

- Logic Amplifier
- Relay output
- Accepts up to six 50FY sensors



Dimensions



Technical Data

General specifications

| | |
|--------------------------------|---|
| Installation | Logic Amplifier must be in a NEMA sealed enclosure. |
| Output polarity | DC |
| Time delay before availability | 3 s |

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Refer to "General Notes Relating to Pepperl+Fuchs Product Information".

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PEPPERL+FUCHS

Technical Data

| | | |
|---|----------------|---|
| Output type | | Relay output Electrical life: Contact Rating 250 V AC @ 5A for 100k cycles MIN |
| UL File Number | | E179102 |
| Nominal ratings | | |
| Operating voltage | U _B | 120 V AC ± 15% , 45 ... 65 Hz |
| Functional safety related parameters | | |
| Fault reaction time | | < 4 s |
| Indicators/operating means | | |
| Function indicator | | Fault Detected: Flashing LED Red |
| LED green | | relay closed |
| LED red | | relay Open |
| Electrical specifications | | |
| Electrical rating | | Power dissipation 3 VA |
| Output | | |
| Current | | continuous current 5 mA to 5 A (Normally open (NO) Contact) |
| Response time | | < 20 ms (switch open to contact open) |
| Standard conformity | | |
| Standards | | ISO 13849-1:2023 Category 3 PL d EN 63000:2018 EN 61326-3-1:2017 EN 60664-1:2020 |
| Approvals and certificates | | |
| UL approval | | cULus Listed, General Purpose UL 508 |
| Ambient conditions | | |
| Ambient temperature | | -40 ... 70 °C (-40 ... 158 °F) -20 ... 50 °C (-4 ... 122 °F) @ max. load |
| Storage temperature | | -40 ... 70 °C (-40 ... 158 °F) |
| Mechanical specifications | | |
| Connection type | | ground screw connection , max 2.5 mm ² |
| Housing material | | 304 Stainless steel |
| Degree of protection | | IP20 , Class 1 indoor use only |
| Dimensions | | |
| Width | | 135 mm |
| Depth | | 58 mm |
| Length | | 203 mm |
| Mounting | | Panel mount |
| Note | | Accepts up to six 50FY41 series sensors |
| General information | | |
| Note | | Packaged with ten 22 kΩ resistors |

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