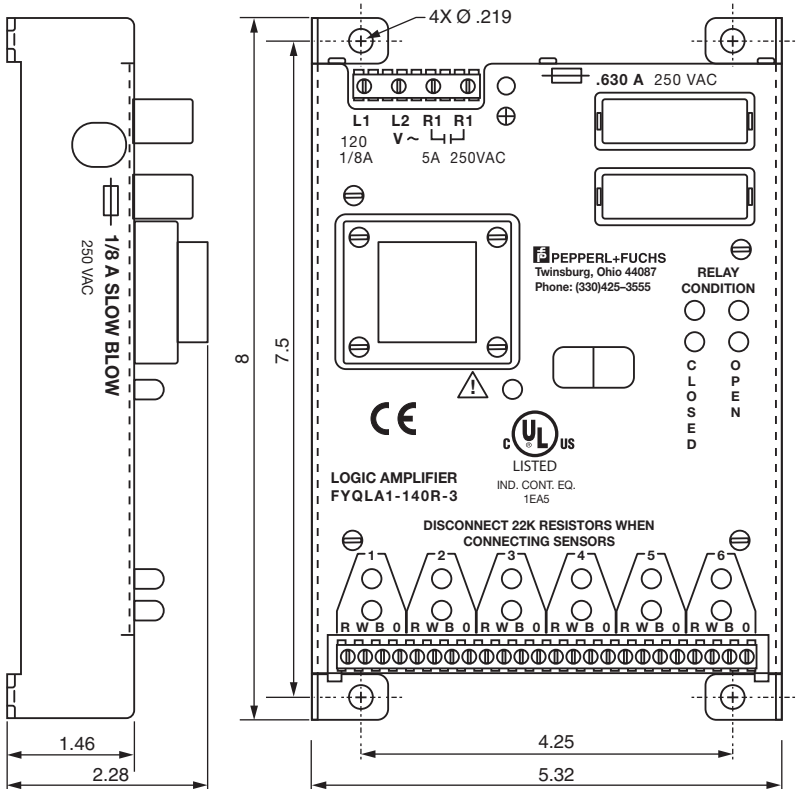


# Logic Amplifier FYQLA1-140R-3

- 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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## Technical Data

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