



Sensata
Technologies



KLIXON® | PS Neck Mounting Series (PSM-XX-N) 2 to 35 Amp Precision Thermal Circuit Breaker

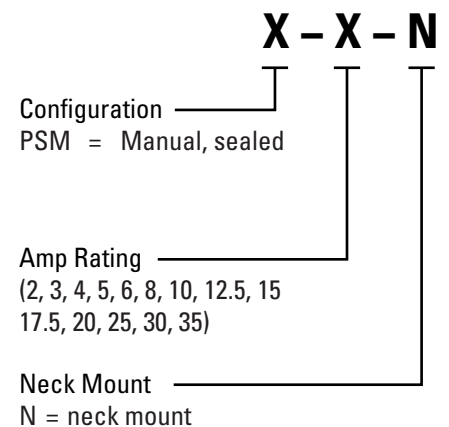
FEATURES

- 30VDC, 2 to 35 Amps
- Manual reset neck mount circuit breaker

DESCRIPTION

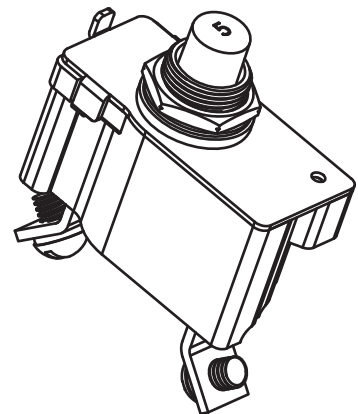
The KLIXON® PSM-XX-N series of breakers are designed to interrupt short circuits or overloads and combines trip-free protection with fast response time. The PSM-XX-N series thermal breaker is ideal for commercial and military vehicle equipment where precise ultimate trip characteristics are required.

ORDERING INFORMATION



PERFORMANCE CHARACTERISTICS

Calibration : 200% rated current, 77°F (25°C)	2 to 10 amps : 20 to 150 seconds 12.5 to 35 amps : 8 to 50 seconds
Ultimate Trip At 77°F (25°C)	Must hold 100%, Must trip 138%
Endurance	Per SAE J553, 500 cycles @ 200%
Interrupt Current Capacity	Per SAE J553
Vibration	10G MIL-STD-202 Method 204, Condition A
Mechanical Shock	MIL-STD-202, Method 213, Condition C, 100G
Dielectric Strength	MIL-STD-202, Method 301, 1500VAC min
Insulation Resistance	MIL-STD 202, Method 302, Condition B, 100 MΩ min
Weight	PSM-N : 35 grams max



The graph shows the current in % rated load versus trip time in seconds for a 1000A MCCB. The y-axis is logarithmic, ranging from 100 to 1000. The x-axis is also logarithmic, ranging from 0.10 to 10,000 seconds. The graph is divided into two regions by a vertical line at 10 seconds: 'Dotted Lines: 10 amps or below' and 'Solid Lines: Above 10 amps'. The shaded area represents the range of current values, with a darker brown color indicating higher current values and a lighter tan color indicating lower current values. The current decreases as trip time increases, with a steeper decline at lower trip times.

Example: At 77°F (25°C) the device is calibrated to hold at 110% of rated current (1) and trip at 138% of rated current (2). At 140°F (60°C), the same device will hold at approximately 92% of rated current (3), and trip at approximately 120% of rated current (4).

INCHES [MM]

.688 [17.48]

1.566 [39.78]

.375 [9.53]

.75 [19.05]

Ø .625 [15.88]

MS 25082-C21 NUT

.338 [8.59]

15/32 - 32UNS-2 THREAD

.25 [6.35]

.49 [12.45]

.030 [.762]

.125 [3.175]

NASM 35333-136
INTERNAL TOOTH
LOCK WASHER

.060 [1.52]

.908 [23.06]

1.282 [32.56]

1.390 [35.31]

2X .250 [6.35] LONG
#8-32 UNC-2A ROUND HEAD
SCREW

2X LOCK WASHER

1.234 [31.34]

0.375 RADIUS

1.313

.688

AMP RATING FOR ILLUSTRATION

.375

.704

.125

.563

.344 REF

CLINCH NUT

.032

.125

INTERNAL TOOTH LOCK WASHER

15/32 - 32UNS-2 THREAD

.25

.469

.063

.907

1.282

1.391

.516

1.032

2X .250 LONG #8-32 UNC-2A ROUND HEAD SCREW

2X .047 THICK LOCK WASHER

