

7264 -  
4654

CONTACTOR 1PST-DM, 200 AMP/28 VDC  
CONTACTEUR 1 T (DE), 200 A / 28 VCC



**Application notes:**

101-Derating of contacts for dc voltages above nominal rating  
102-Relays and temperature variations  
103G-Curves for dc voltages above normal rating: resistive load only  
007-Suppressor devices for relay coils

• **Non latching solenoid design power contactor**

*Contacteur solénoïde monostable*

• **Main contact**

*Contact principal*

**1 PST - DM**

**1 T (DE)**

• **Coil supply**

*Alimentation bobine*

**Direct current**

*Courant continu*

• **Related standard**

*Normes de référence*

**MIL-PRF-6106**

**MS24171-D1**

**PRINCIPAL TECHNICAL CHARACTERISTICS**  
**CARACTERISTIQUES TECHNIQUES PRINCIPALES**

• **Contacts rated at**

200 Amps 28 Vdc

*Prévu pour commuter*

200 A / 28 Vcc

• **Weight**

*Masse*

**600g max.**

• **Overall size**

*Dimensions hors tout*

112 x 50.2 x 95 mm max

• **Metal body, thermoplastic cover for dust protection**

*Corp métallique, capots thermoplastiques étanches à la poussière*

• **Special models available upon request**

*Modèles spécifiques sur demande*

**CONTACT ELECTRICAL CHARACTERISTICS**

**CARACTERISTIQUES ELECTRIQUES DES CONTACTS/POUVOIR DE COUPURE**

| Contact rating per load type, auxiliary contact<br><i>Contact auxiliaire par type de charge</i> | Contact rating per pole and load type<br><i>Tension aux bornes du contact</i> | 28 Vcc |
|-------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|--------|
| 50 000 cycles                                                                                   | Resistive / Résistif                                                          | 200A   |
| 10 000 cycles                                                                                   | Inductive / Inductif (L/R=5ms)                                                | 100A   |
| 50 000 cycles                                                                                   | Motor / Moteur                                                                | 200A   |
| 100 000 cycles                                                                                  | Minimum current / Courant minimum                                             | 50A    |

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The technical information provided by Leach International Europe is to be used as a guide only, and is not meant for publication or as documentation for altering any existing specification. Dimensions are in millimeters unless otherwise specified. Rev. 02/2025.

**COILS CHARACTERISTICS (Vdc)**  
**CARACTERISTIQUES DES BOBINES (Vcc)**

| <b>Nominal voltage</b><br>Tension nominale                                                                                                                       | 28 Vdc       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------|
| <b>Maximum voltage</b><br>Tension maximum                                                                                                                        | 29 Vdc       |
| <b>Maximum pickup voltage</b><br>Tension max. d'enclenchement assuré                                                                                             | 18 Vdc       |
| <b>Dropout voltage</b><br>Tension de déclenchement                                                                                                               | 1.5 to 7 Vdc |
| <b>Coil resistance in Ohms <math>\pm 10\%</math> at <math>+25^{\circ}\text{C}</math></b><br>Résistance de la bobine en $\Omega \pm 10\%$ à $+25^{\circ}\text{C}$ | 75           |

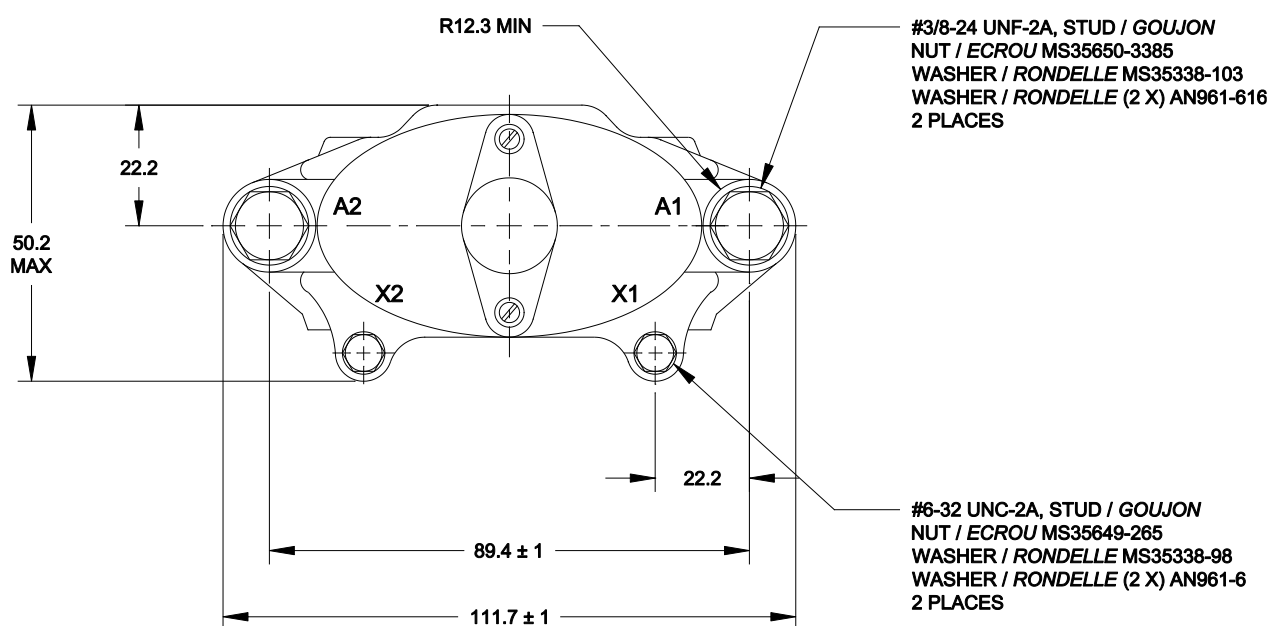
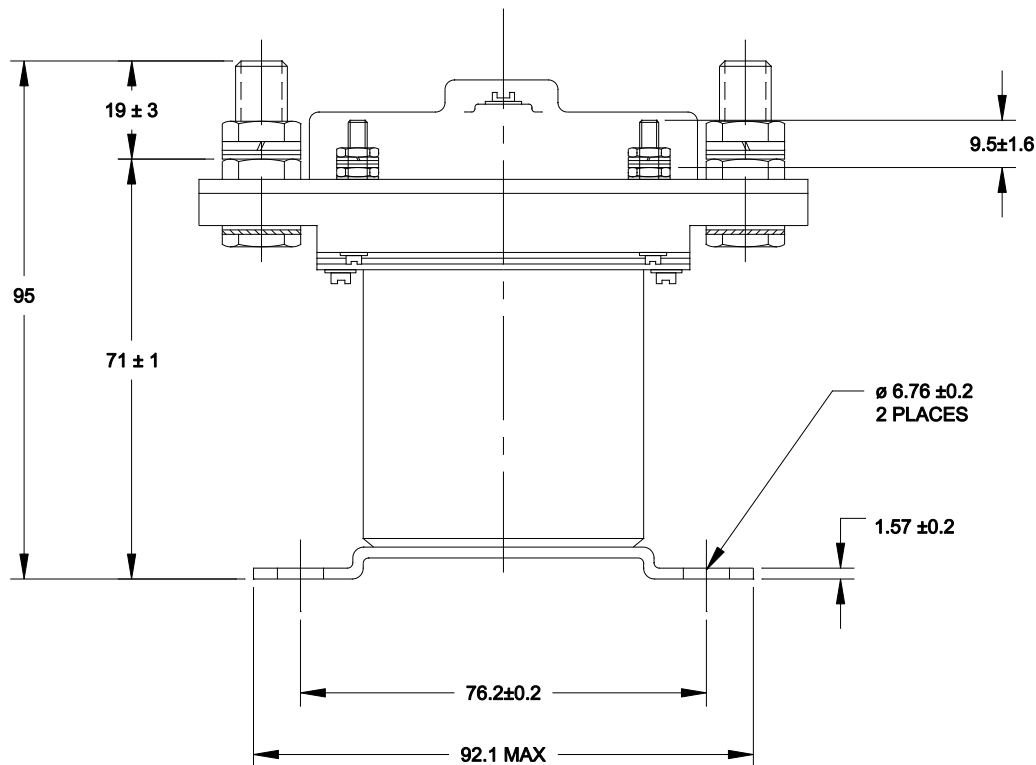
**GENERAL CHARACTERISTICS**  
**CARACTERISTIQUES GENERALES**

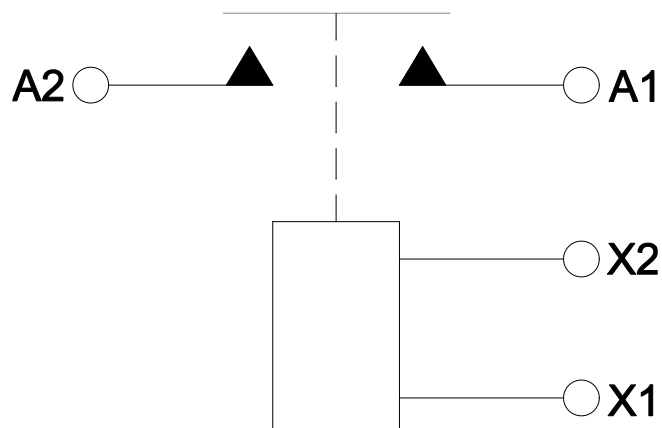
| <b>Temperature range</b>   Gamme de température                                                                                                   | -55°C to +71°C       |
|---------------------------------------------------------------------------------------------------------------------------------------------------|----------------------|
| <b>Dielectric strength at sea level</b>   Rigidité diélectrique au niveau de la mer                                                               |                      |
| <b>- Circuits to ground and circuit to circuit</b>   Entre circuits et masse et entre circuits                                                    | 1250 Vrms / 50Hz     |
| <b>- Across open contacts and coil to ground</b>   Entre contacts ouverts et entre bobine et masse                                                | 1250 Vrms / 50Hz     |
| <b>Insulation resistance at 500 Vdc</b>   Résistance d'isolement sous 500 Vcc                                                                     | >100 M $\Omega$ min. |
| <b>Sinusoidal vibrations</b>   Vibrations sinusoïdales                                                                                            | 2G / 55 to 500 Hz    |
| <b>Shocks</b>   Chocs                                                                                                                             | 25 G – 6-9ms         |
| <b>Maximum contact opening time under vibrations and shocks</b>  <br>Durée max. d'ouverture des contacts sous l'influence des vibrations et chocs | 2 ms                 |
| <b>Operate time at nominal voltage</b>   Temps d'enclenchement max. sous tension nominale                                                         | 25 ms max at 20°C    |
| <b>Release time at nominal voltage</b>   Temps de déclenchement max. sous tension nominale                                                        | 10 ms max at 20°C    |

## MOUNTING STYLES [1]

### ACCESOIRES DE FIXATION [1]

Dimensions in mm  
Tolerances, unless otherwise specified,  $\pm 0.5\text{mm}$



**SCHEMATIC DIAGRAM [1]**  
SCHEMA [1]**REFERENCE SYSTEM [1]**  
SYSTEME DE REFERENCES [1]

7264-4654

1. Basic series designation | Référence de base

**NOTES**  
REMARQUES

1. Other configurations may be possible. Please contact factory  
*D'autres configurations peuvent être possibles : Nous consulter.*