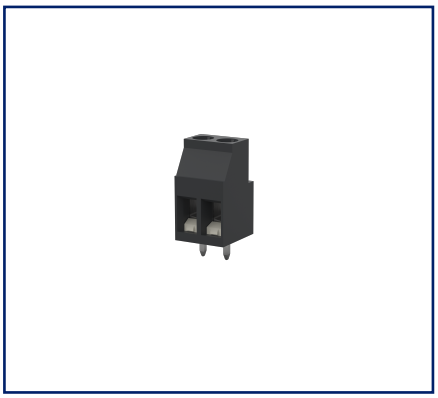
Data sheet
RT02502HBLC (Typ 071)

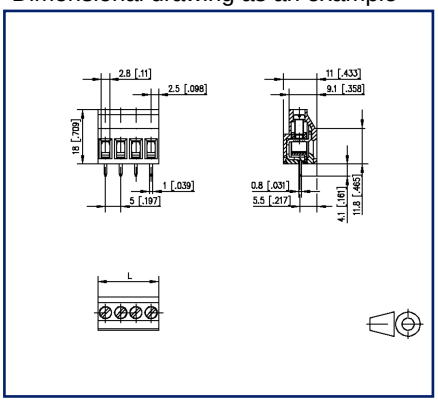
P/N 31071102

2026/05/11
Version: A

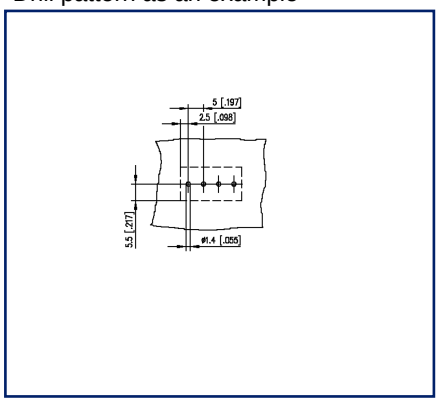
Illustrations



Dimensional drawing as an example



Drill pattern as an example



See enlarged drawings at the end of document

Product specification

- screw type terminal block, solderable
- centerline 5.00 mm, direction of connection 90°
- lift system, fittable without loss of poles
- color black

© 2026 METZ CONNECT - Technische Änderungen vorbehalten! Subject to modifications! Sous réserve de modifications techniques!

METZ CONNECT GmbH | Im Tal 2 | 78176 Blumberg | Germany
Phone +49 7702 533-0 | Fax +49 7702 533-433

Data sheet
RT02502HBLC (Typ 071)

P/N 31071102

2026/05/11
Version: A

Technical Data

General Data			
Tightening torque SEV	0.5 Nm		
Tightening torque UL	4.4 lb-in		
Solder pin length	4.1 mm		
pole size	2		
Insulating material class	CTI 600		
clearance/creepage dist.	3.2 mm		
Protection category	IP20		
Insul. strip length	8 mm		
Rated current	16 A		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Rated voltage	200 V	500 V	500 V
Rated test voltage	4 kV	4 kV	4 kV
Terminal data			
rat.wiring solid AWGmax	0.34 mm² - 2.5 mm² / AWG 22 - AWG 12		
rat.wiring strand.AWGmax	0.34 mm² - 2.5 mm² / AWG 22 - AWG 12		
Approvals			
c UL us V / A / AWG	300 / 20 / 22 - 12		
approval UL - File No.	E121004		
SEV	250 V / 24 A / T60		
Material			
insulating material	PA66		
flammability class	V0		
contact material	CuZnPb		
Contact surface	Ni + Sn		
terminal body thread	M3		
terminal body material	CuZnPb		
terminal body surface	Ni		
screw thread	M3		
screw material	8,8		

© 2026 METZ CONNECT - Technische Änderungen vorbehalten! Subject to modifications! Sous réserve de modifications techniques!

Data sheet
RT02502HBLC (Typ 071)

P/N 31071102

2026/05/11
Version: A

Technical Data

screw surface	Zn Cr(VI)-frei/free
Glow-Wire Flammability GWFI	960 °C acc. to IEC 60695-2-12
Glow-Wire Flammability GWIT	775 °C acc. to IEC 60695-2-13
Climatic Data	
upper limit temperature	105 °C
lower limit temperature	-40 °C
general	
Tolerance	ISO 2768 -mH
Solderability	Acc. to JEDEC JESD22-B102E 245°C/5s

Application note

This product is a standard product of METZ CONNECT. METZ CONNECT is not aware of the specific intended use of the goods by the Customer or any customers of the Customer. The Customer guarantees that it has fully and sufficiently tested the use of the goods and any product modifications, product changes or product enhancements with regard to the specific intended use in accordance with the state of the art or in any other way. At METZ CONNECT's request, the Customer shall submit and make available meaningful evidence (e.g. test and laboratory protocols, certifications, etc.).

© 2026 METZ CONNECT - Technische Änderungen vorbehalten! Subject to modifications! Sous réserve de modifications techniques!

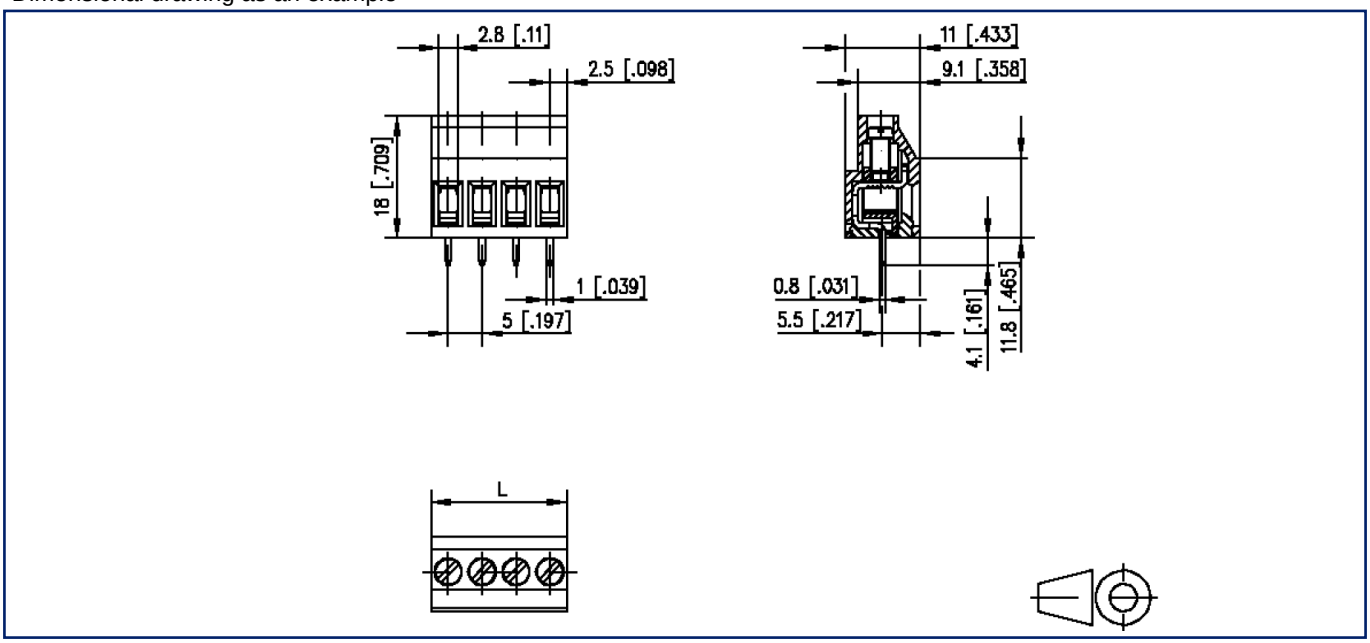
Data sheet
RT02502HBLC (Typ 071)

P/N 31071102

2026/05/11
Version: A

Illustrations

Dimensional drawing as an example

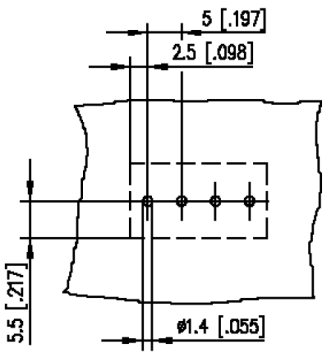


L=(pole size - 1) x centerline + 5 mm [0.197]

© 2026 METZ CONNECT - Technische Änderungen vorbehalten! Subject to modifications! Sous réserve de modifications techniques!

Illustrations

Drill pattern as an example



© 2026 METZ CONNECT - Technische Änderungen vorbehalten! Subject to modifications! Sous réserve de modifications techniques!