



SATO PARTS CO.,LTD.
ESTABLISHED SINCE 1948

Global Site

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0120-70-7215

We contribute to manufacturing with delivery time, quality, and service.

Employment Information

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会社概要



環境に対する
取り組み



カタログ・サンプル
STEPファイル請求



問い合わせ

Model number search

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Search

Model number search within category

Search

[Refine search]

Pitch order

- | | |
|----------------------------------|---------------------------------|
| ☐ 5.08mm | ☐ 7.62mm |
| ☐ 8mm | ☐ 8.1mm |
| ☐ 8.45mm | ☐ 9mm |
| ☐ 9.45mm | ☐ 9.5mm |
| ☐ 9.75mm | ☐ 10mm |
| ☐ 10.16mm | ☐ 11mm |
| ☐ 13mm | ☐ 14mm |
| ☐ 15mm | ☐ 16mm |
| ☐ 21mm | ☐ 27mm |



made in Japan

[specification](#)

ML-40-S1BYS

Terminal pitch 7.62mm

For printed circuit boards

[Information on the RoHS Directive](#)



* Icon link, overseas standard certificate



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- ☐ M3 ☐ M3.5
☐ M4 ☐ M4.5
☐ M5 ☐ M6
☐ M8

By application / shape

- ☐ 2-piece terminal block
☐ 2-stage terminal block
☐ 3-stage terminal block
☐ cover
☐ Cover mounting screw
☐ Cover mounting mold
☐ Cover mounting bracket
☐ Jumper metal fittings
☐ Also used as a soldering plug terminal
☐ For soldering
☐ For printed circuit boards
☐ Horizontal mounting bracket
☐ Name board
☐ For plug-in terminal
☐ Terminal number display sticker
☐ Relay solder metal fittings
☐ For relay

Rated V

- ☐ 125V ☐ 250V
☐ 300V ☐ 380V
☐ 500V ☐ 600V

Rating A

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Insulation resistance	DC500V, 1000MΩ or more
Withstand voltage	AC2000V (1 minute)
Acquisition standard	UL standard (compatible with field wiring) / CSA standard (CSA certified products must be specified when ordering)
Number of poles (P)	1-22
Insulating material	PBT (UL94V-0)
Terminal screw	Sems screw (M3 x 6), terminal screw tightening torque 0.5N · m MAX
Terminal bracket	PC terminal
Body color	B (black)
Precautions for use	(1) Since the number of poles other than 22P is created by cutting the main body, cutting processing marks (stages) remain on both ends or one side of the main body. (2) When using as a standard product, check the restrictions on the standard. (3) When tightening the terminal screw without connecting the electric wire, tighten it with a torque of 0.2 to 0.3 Nm. (4) Do not use an impact screwdriver to tighten the screws as it may damage the screws. (5) When connecting the electric wire, if it is tightened too strongly, the screw part may be damaged, so keep the tightening torque.

Dimensional drawing

Request STEP files and samples of the product you are currently

- ☐ 10A
- ☐ 15A
- ☐ 16A
- ☐ 20A
- ☐ 23A
- ☐ 25A
- ☐ 30A
- ☐ 35A
- ☐ 50A
- ☐ 60A
- ☐ 75A
- ☐ 100A
- ☐ 150A

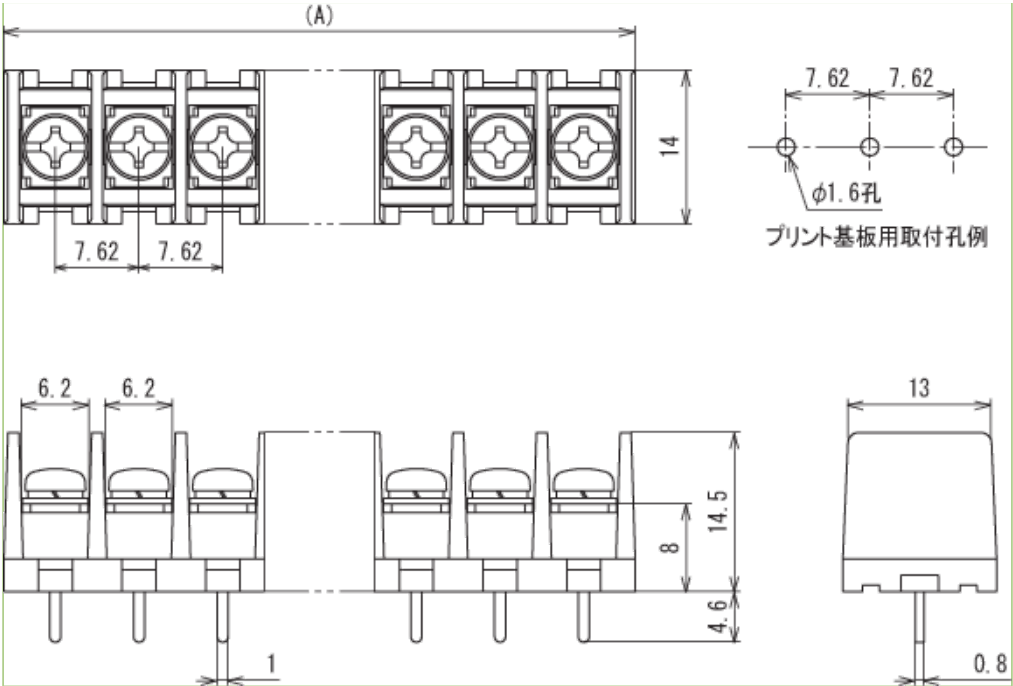
By acquisition standard

- ☐ CSA
- ☐ C-UL
- ☐ TUV
- ☐ UL

Search for

Supplementary information (PDF)

- ▶ Handling precautions
- ▶ General notes



Unit: mm

Dimension table

Number of poles	A	Number of poles	A	Number of poles	A	Number of poles	A	Number of poles	A	Number of poles	A
1	9.52	Five	40.00	9	70.48	13	100.96	17	131.44	twenty one	161.92
2	17.14	6	47.62	Ten	78.10	14	108.58	18	139.06	twenty two	169.54
3	24.76	7	55.24	11	85.72	15	116.20	19	146.68	---	---
Four	32.38	8	62.86	12	93.34	16	123.82	20	154.30	---	---

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ターミナル、チップジャック
Terminal, Tip Jack



クリップ、ソケット、プラグ
Clip, Socket, Plug



ブッシング、ラグ板
Bushing, Lug



アクセサリ
Accessory

販売中止品



製品一部変更



Order model number

Order model number ML-40-S1BYS- [Pole number]

Order example ML-40-S1BYS-2P (when ordering with 2P)

Solder heat resistance conditions

Flow soldering conditions

Preheating temperature	100-140 °C
Preheating time	40 seconds
Immersion temperature	265 ± 3 °C
Immersion time	10 ± 1 second

Hand soldering (soldering ironing) conditions

Iron tip temperature	390 ± 10 °C
Iron guessing time	5 ± 1 second
Number of times	Twice

Precautions

- Reflow is not a target product.

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- When using it, we recommend that you check it according to the actual usage conditions. The above conditions have been confirmed by testing the product itself.

Optional Accessories

Relay solder metal fittings



[ML-40-3G1](#)

Jumper metal fittings



[ML-1000-3H1](#)

Jumper metal fittings



[ML-1000-3H2](#)

Maintenance screws



[SA-1010-C001](#)

DXF / Environmental Impact On the Environment Report (chemSHERPA) Download

- * Please read the [DXF file terms](#) of [use](#) when downloading the [DXF file](#) .
 - * For the Environmental Impact On the Environment Report , please see our [Environmental Initiatives](#) .
 - * For tools for viewing chemSHERPA data, see the [PDF download procedure manual](#) .
- In addition, with regard to the survey list, [PDF click here](#) please refer to.

Model number	DXF file	Environmental Impact Substance Report (chemSHERPA)
ML-40-S1BYS-1P	download	download
ML-40-S1BYS-2P	download	download
ML-40-S1BYS-3P	download	download
ML-40-S1BYS-4P	download	download

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ML-40-S1BYS-6P	download	download
ML-40-S1BYS-7P	download	download
ML-40-S1BYS-8P	download	download
ML-40-S1BYS-9P	download	download
ML-40-S1BYS-10P	download	download
ML-40-S1BYS-11P	download	download
ML-40-S1BYS-12P	download	download
ML-40-S1BYS-13P	download	download
ML-40-S1BYS-14P	download	download
ML-40-S1BYS-15P	download	download
ML-40-S1BYS-16P	download	download
ML-40-S1BYS-17P	download	download
ML-40-S1BYS-18P	download	download
ML-40-S1BYS-19P	download	download
ML-40-S1BYS-20P	download	download
ML-40-S1BYS-21P	download	download
ML-40-S1BYS-22P	download	download

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