

# Accessories and part options

## TS-S2/TS-SH/TS-X/TS-P



### Standard accessories

#### ● Power connector

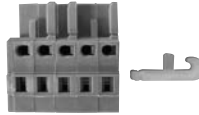


Model KCC-M4421-00

TS-S2  
TS-SH  
TS-SD

#### ● Power connector (AC100V specifications)

Included when 100V model is purchased

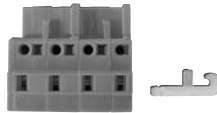


Model KCA-M5382-00

TS-X  
TS-P

#### ● Power connector (AC200V specifications)

Included when 200V model is purchased



Model KAS-M5382-00

LCC140  
TS-X  
TS-P  
SR1-X  
SR1-P  
RCX221  
RCX222  
RCX240/S  
RCX340

#### ● EXT connector

For braking power and safety circuit connections.



Model KCA-M5370-00

TS-X  
TS-P

#### ● Dummy connector



Model KCA-M5163-00

TS-S2  
TS-SH  
TS-X  
TS-P

#### ● I/O cables (2m/20-core×2)



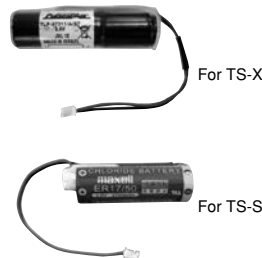
Model KCA-M4421-20

TS-S2  
TS-SH  
TS-X  
TS-P

#### ● Absolute battery

##### ● Absolute battery basic specifications

Item	For TS-X	For TS-SH
Battery type	Lithium metallic battery	
Battery capacity	3.6V / 1,650mAh	3.6V / 2,750mAh
Data holding time	About 1 year (in state with no power applied)	
Dimensions	φ18 × L50mm	φ17 × L53mm
Weight	24g	22g



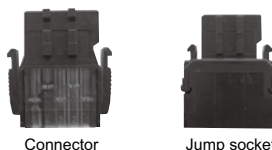
Model KCA-M53G0-10 (For TS-X)  
KCA-M53G0-01 (For TS-SH)

TS-X  
TS-SH

Note. The absolute battery is subject to wear and requires replacement. If trouble occurs with the memory then remaining battery life is low so replace the absolute battery. The battery replacement period depends on usage conditions. But generally you should replace the battery after about 1 year counting the total time after connecting to the controller and left without turning on the power.

#### ● CC-Link connector (CC-Link specifications)

Included when CC-Link model is purchased



Model Connector<sup>Note</sup> KCA-M4872-00  
Jump socket KCA-M4873-00

TS-S2  
TS-SH  
TS-X  
TS-P

Note. This is a single connector type. (Insert two connectors into a branching socket.)

See next page for optional parts

Articulated robots  
YA  
Linear conveyer modules  
LCM100  
Compact single-axis robots  
TRANSEVO  
Single-axis robots  
FLIP-X  
Linear motor single-axis robots  
PHASER  
Cartesian robots  
XY-X  
SCARA robots  
YK-X  
Pick & place robots  
YP-X  
CLEAN  
CONTROLLER  
INFORMATION  
Robot positioner  
Pulse string driver  
Robot controller  
I/V/I/V2 Electric gripper  
Option

## Options

### ● Handy terminal HT1/HT1-D

P.560



		HT1	HT1-D
Model	3.5m	KCA-M5110-0J	KCA-M5110-1J
	10m	KCA-M5110-6J	KCA-M5110-7J
Enable switch		–	3-position
CE marking		Not supported	Applicable

TS-S2  
TS-SH  
TS-X  
TS-P

### ● Support software TS-Manager

P.552



Model	KCA-M4966-0J (Japanese)
	KCA-M4966-0E (English)

TS-S2  
TS-SH  
TS-X  
TS-P  
TS-SD

### ● TS-Manager environment

OS	Microsoft Windows 2000 / XP / Vista (32bit/64bit) / 7 (32bit/64bit)
CPU	Exceeding the environment recommended by the OS being used
Memory	Exceeding the environment recommended by the OS being used
Hard disk	Vacant capacity of more than 20MB in the installation destination drive
Communication port	Serial (RS-232C), USB
Applicable controllers	TS-S2 / TS-SH / TS-X / TS-P / TS-SD

Note. Windows is the registered trademark of US Microsoft Corporation in U.S.A. and other countries.

### ● Data cables

Communication cable for TS-Manager. Select from USB cable or D-sub cable.



Model	USB type (5m)	KCA-M538F-A0
	D-Sub type (5m)	KCA-M538F-01

Note. USB driver for communication cable can also be downloaded from our website.

TS-S2  
TS-SH  
TS-X  
TS-P  
TS-SD

### ● Daisy chain and gateway connection cable



Model	KCA-M532L-00 (300mm)
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TS-S2  
TS-SH  
TS-X  
TS-P  
TS-SD

### ● CC-Link termination connector (CC-Link specifications)



Model	KCA-M4874-00
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TS-S2  
TS-SH  
TS-X  
TS-P

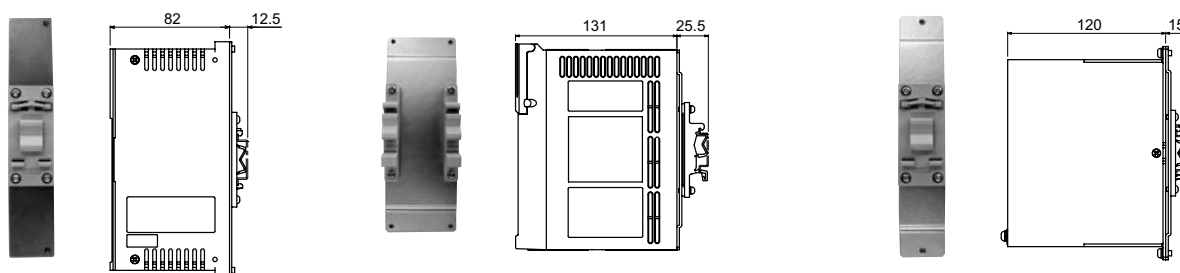
### ● TS-Monitor (LCD monitor) P.564



Model	For TS-X	KCA-M5119-00
	For TS-P	KCA-M5119-10

TS-X  
TS-P

### ● DIN rail mounting bracket (This bracket is provided in TS-SH as standard equipment.)



Model	For TS-S2 KCC-M499A-00
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TS-S2

Model	For TS-X / TS-P KCA-M499A-00
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TS-X  
TS-P

Model	For TS-X / TS-P with RGT KCA-M499A-10
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TS-X  
TS-P