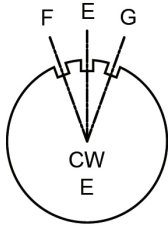
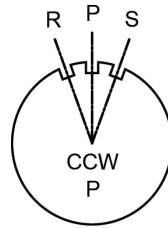


# Connector Solutions M23 Elite Series

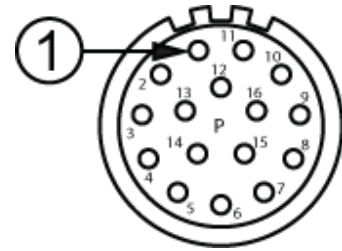
## STEP 1 Choose Plug



Standard connector parts mate "E" Plugs with "P" Receptacles, Mating parts use opposite contact types. *example: plug with pin contacts mates with a receptacle using socket contacts.* Other key code options available not listed here. Please call customer service for assistance when ordering F,G,R,S. See page 23 for connector configurations



## STEP 2 Choose Receptacle



### Plugs



### Receptacles



### Receptacle Kit



### Plug Kits



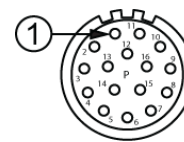
**BULK CABLE starts  
on page 23**

SEE TABLE ON NEXT PAGE FOR PART DETAILS

## Cord Grips (Required only for Receptacle Extension)



Part Number	Type	Cable Range (mm)	Figure Drawings
MA6CG-S1	Cord grip	4.5-7.5mm	6
MA6CG-S2	Cord grip	7.5-11.0mm	6
MA6CG-S3	Cord grip	11.0-15.0mm	6



**16 POSITIONS**  
**9A / 125V**  
**P type**  
**Checkmate™**

**Style: P type Plug**    **Number of Contacts: 16**    **Contact Size: 1.0mm**  
 Sealing: IP66/67    AWG: 22-18 (0.37 - 0.75 mm<sup>2</sup>) / 28-24 (0.25 - 0.10 mm<sup>2</sup>)



## Connector Part Numbers

Part Number	Connector Type PLUGS	Style	Contact Type male = pin mates with female = socket ↓Mating Parts↓		Figure Drawings
MA5CAP1600-S1	Plug, straight, <b>Checkmate™</b> 4.5-7.5mm cord grip	P	Socket	Pin	1
MA5CAP1600-S1-KIT	Plug Kit, straight, <b>Checkmate™</b> 4.5-7.5mm cord grip	P		Pin	1
MA5CAP1600S-S1-KIT	Plug Kit, straight, <b>Checkmate™</b> 4.5-7.5mm cord grip	P	Socket		1
MA5CAP1600-S2	Plug, straight, <b>Checkmate™</b> 7.5-11mm cord grip	P	Socket	Pin	1
MA5CAP1600-S2-KIT	Plug Kit, straight, <b>Checkmate™</b> 7.5-11mm cord grip	P		Pin	1
MA5CAP1600S-S2-KIT	Plug Kit, straight, <b>Checkmate™</b> 7.5-11mm cord grip	P	Socket		1
MA5CAP1600-S3	Plug, straight, <b>Checkmate™</b> 11-15mm cord grip	P	Socket	Pin	1
MA5CAP1600-S3-KIT	Plug Kit, straight, <b>Checkmate™</b> 11-15mm cord grip	P		Pin	1
MA5CAP1600S-S3-KIT	Plug Kit, straight, <b>Checkmate™</b> 11-15mm cord grip	P	Socket		1
RECEPTACLES			↑ Mating Parts ↑		
MA5RAE1601	Receptacle, 90° rotatable, <b>Checkmate™</b> Standard Flange (25.7x25.7)	E	Socket	Pin	2
MA5RAE1601-KIT	Receptacle Kit, 90° rotatable, <b>Checkmate™</b> Standard Flange (25.7x25.7)	E		Pin	2
MA5RAE1601S-KIT	Receptacle Kit, 90° rotatable, <b>Checkmate™</b> Standard Flange (25.7x25.7)	E	Socket		2
MA5RAE1602	Receptacle, 90° rotatable, <b>Checkmate™</b> Large Flange (28.0x28.0)	E	Socket	Pin	3
MA5RAE1602-KIT	Receptacle Kit, 90° rotatable, <b>Checkmate™</b> Large Flange (28.0x28.0)	E		Pin	3
MA5RAE1602S-KIT	Receptacle Kit, 90° rotatable, <b>Checkmate™</b> Large Flange (28.0x28.0)	E	Socket		3

\*Standard Series receptacles are offered here as additional options for mating with Elite Series plugs.  
 See Assembly Instructions starting on page 266  
 Complete datasheets can be found at [www.amphenol-sine.com](http://www.amphenol-sine.com)

**Style: P type Plug**    **Number of Contacts: 16**    **Contact Size: 1.0mm**  
**Sealing: IP66/67**    **AWG: 22-18 (0.37 - 0.75 mm<sup>2</sup>) / 28-24 (0.25 - 0.10 mm<sup>2</sup>)**

Connector Part Numbers continued

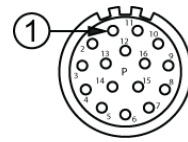
MA2LAE1600*	Receptacle, straight, flange mount, <b>Checkmate™</b>	E	Socket	Pin	4
MA2LAE1600-KIT*	Receptacle Kit, straight, flange mount, <b>Checkmate™</b>	E	Socket	Pin	4
MA2LAE1600S-KIT*	Receptacle Kit, straight, flange mount, <b>Checkmate™</b>	E	Socket	Pin	4
MA2JAE1600*	Receptacle extension, <b>Checkmate™</b>	E	Socket	Pin	5
↑ Contacts supplied separately see Chart 1					



### CHART 1

### Crimp Contacts, Machined

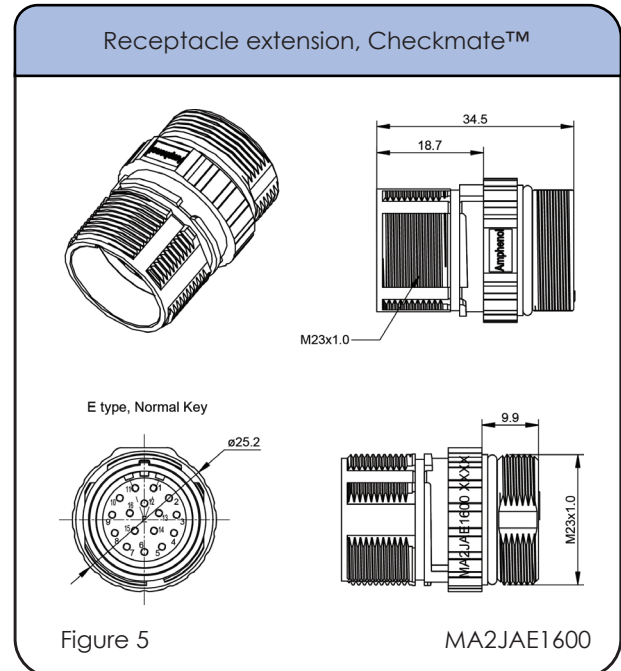
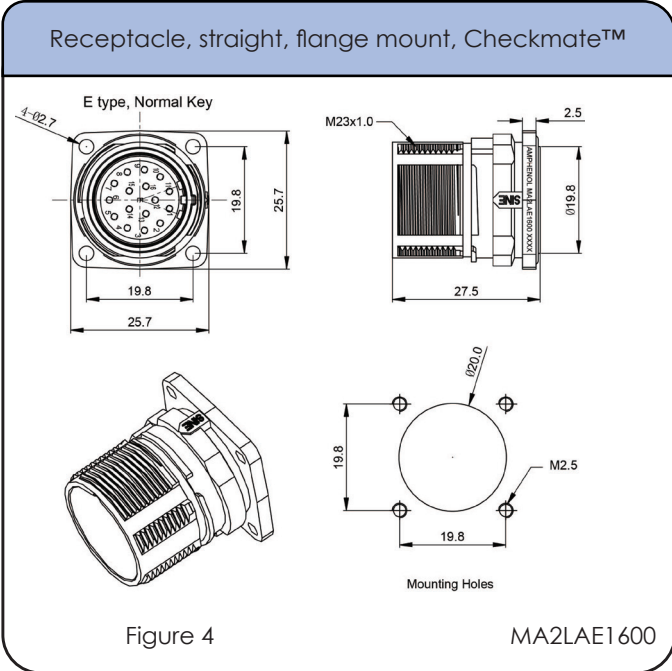
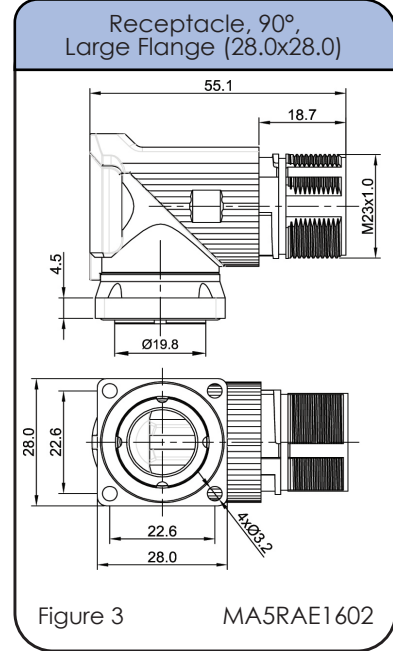
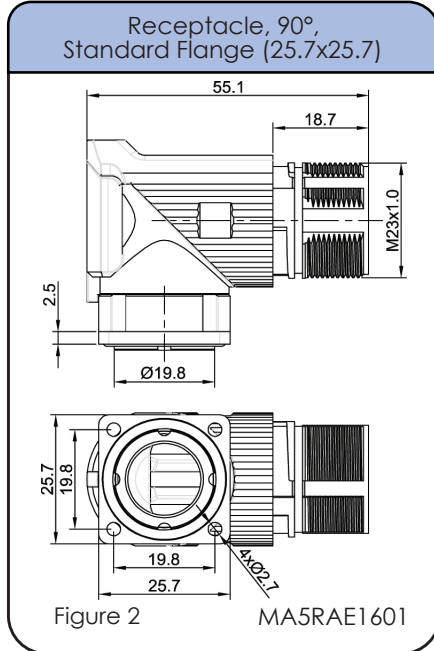
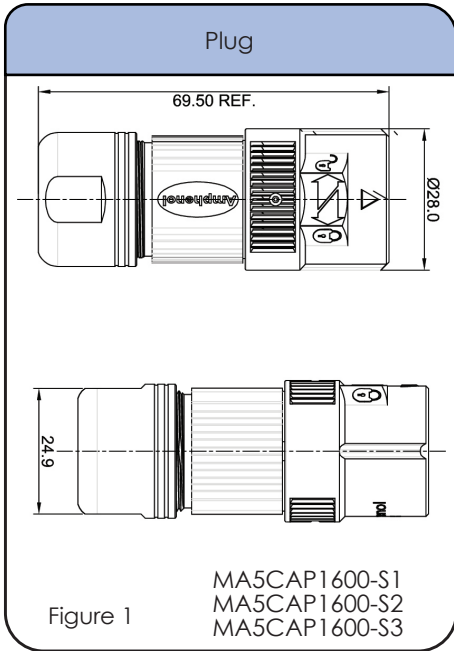
Part Number	Pin/Socket	AWG	mm <sup>2</sup>	Plating
SC000035	Pin	22-18	0.37 - 0.75	Gold
SC000146	Pin	28-24	0.10 - 0.25	Gold
SC000044	Socket	22-18	0.37 - 0.75	Gold
SC000030	Socket	28-24	0.10 - 0.25	Gold



**16 POSITIONS**  
**9A / 125V**  
**P type**  
**Checkmate™**

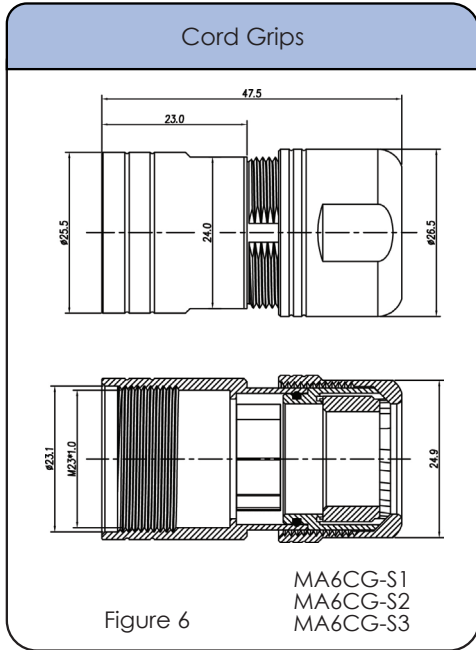
**Style: P type Plug**    **Number of Contacts: 16**    **Contact Size: 1.0mm**  
**Sealing: IP66/67**    **AWG: 22-18 (0.37 - 0.75 mm<sup>2</sup>) / 28-24 (0.25 - 0.10 mm<sup>2</sup>)**

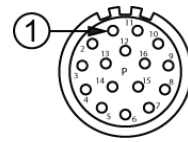
CONNECTOR SOLUTIONS



**Style: P type Plug**    **Number of Contacts: 16**    **Contact Size: 1.0mm**  
Sealing: IP66/67    AWG: 22-18 (0.37 - 0.75 mm<sup>2</sup>) / 28-24 (0.25 - 0.10 mm<sup>2</sup>)

Connector Drawings continued







**16 POSITIONS**  
**9A / 125V**  
**P type**  
**Checkmate™**

**Style: P type Plug**    **Number of Contacts: 16**    **Contact Size: 1.0mm**  
 Sealing: IP66/67    AWG: 22-18 (0.37 - 0.75 mm<sup>2</sup>) / 28-24 (0.25 - 0.10 mm<sup>2</sup>)

CONNECTOR SOLUTIONS

**Tools & Accessories**

<p>Universal hand crimp tool. Uses universal positioner part no. SK2-2* Wire range 20-32AWG</p>  <p>AFM8</p>	<p>Universal hand crimp tool. Uses universal positioner part no. UH2-5* Wire range 12-26AWG</p>  <p>AF8</p>	<p>Pneumatic crimp tool. Uses universal positioner part no. SK2-2* Wire range 20-32AWG</p>  <p>WA22</p>
<p>Universal positioner is used with crimp tools AFM8 and WA22. Wire range 20-32AWG</p>  <p>SK2-2</p>	<p>Universal positioner is used with the universal hand crimp tool (AF8). Wire range 12-26AWG</p>  <p>UH2-5</p>	<p>Pneumatic crimp tool. Uses universal positioner part no. UH2-5*. Wire range 12-26AWG</p>  <p>WA27F</p>
<p>Extraction tool. Used for removal of 1.0mm contacts from inserts.</p>  <p>50-54931-1</p>	<p>Dust Cap for Receptacle</p>  <p>P29687</p>	<p>Dust Cap for Plug, Checkmate™</p>  <p>P31662</p>

\* The universal positioner is not included with the crimp tools and must be ordered separately.