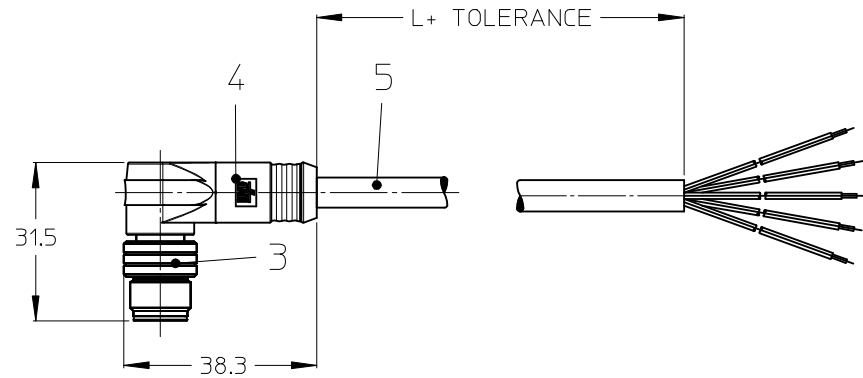
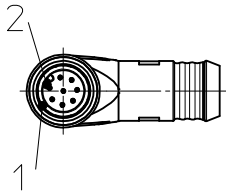


# RIGHTANGLE PLUG MALE



### NOTES:

TEMPERATURE RANGE	SEE TABLE ON PAGE 2
CONTACT CURRENT RATING	3-5 POLES 4A 8 POLES 2A
VOLTAGE RATING	3-4 POLES 250V 5 POLES 60V 8 POLES 30V
PROTECTION CLASS	IP 67

### TOLERANCES

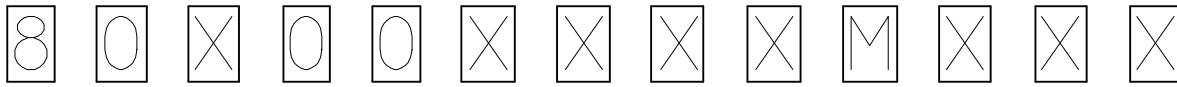
≤ 1m	+20/-10mm
1m - 5m	± 25mm
5m - 10m	± 30mm
> 10m	± 30mm
> 20m	± 50mm

3 WIRE	4 WIRE	5 WIRE	8 WIRE
PIN # WIRE	PIN # WIRE	PIN # WIRE	PIN # WIRE
1 BROWN 2 - 3 BLUE 4 BLACK 5 -	1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 -	1 BROWN 2 WHITE 3 BLUE 4 BLACK 5 GREY	1 WHITE 2 BROWN 3 GREEN 4 YELLOW 5 GREY 6 PINK 7 BLUE 8 RED
REQUIRED TO IEC 60947-5-2		REQUIRED TO DIN 47100	

5	CABLE	SEE TABLE (PAGE 2)	---
4	OVERMOULDING	TPU	BLACK
3	MALE COUPLING NUT	BRASS	NI PLATED
2	PIN CONTACT	BRASS	GOLD PLATED
1	INSERT	PA	BLACK
ITEM	PART	MATERIAL	FINISH

<b>ENTER DESCRIPTION</b> EC NO: IPG2014-0812 DRWN:PMERUNKA 2012/04/24 CHKD:APOHL 2013/11/04 APPR:APOHL 2013/11/18	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED) <table border="1"> <thead> <tr> <th></th> <th>mm</th> <th>INCH</th> </tr> </thead> <tbody> <tr> <td>4 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>3 PLACES</td> <td>± ---</td> <td>± ---</td> </tr> <tr> <td>2 PLACES</td> <td>± 0.05</td> <td>± ---</td> </tr> <tr> <td>1 PLACE</td> <td>± 0.10</td> <td>± ---</td> </tr> <tr> <td>0 PLACE</td> <td>± ---</td> <td>± ---</td> </tr> </tbody> </table>		mm	INCH	4 PLACES	± ---	± ---	3 PLACES	± ---	± ---	2 PLACES	± 0.05	± ---	1 PLACE	± 0.10	± ---	0 PLACE	± ---	± ---	DIMENSION STYLE <b>MM ONLY</b>	SCALE <b>1:1</b>	DESIGN UNITS <b>METRIC</b>	THIRD ANGLE PROJECTION
		mm	INCH																					
	4 PLACES	± ---	± ---																					
	3 PLACES	± ---	± ---																					
2 PLACES	± 0.05	± ---																						
1 PLACE	± 0.10	± ---																						
0 PLACE	± ---	± ---																						
DRAWN BY PMERUNKA	DATE 2012/04/24	TITLE <b>CSE M12 XP AC MA RA XM SE UNSH</b>																						
CHECKED BY RSILLER	DATE 2013/01/18	APPROVED BY APOHL																						
MATERIAL NO. <b>SEE TABLE</b>	DATE 2013/11/18	DOCUMENT NO. <b>SD-120065-051</b>		SHEET NO. 1 OF 3																				
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS																								
THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION																								

**NUMERICAL CODE** (Available parts see table page 3 ff others on request.)



80 = M12x1  
single ended

poles:  
3 = 3 poles  
4 = 4 poles  
5 = 5 poles

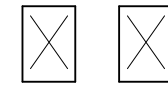
header:  
000 = plug female straight  
001 = plug female 90° right  
006 = plug male straight  
007 = plug male 90° right

M = meter

length:  
Example  
020 = 2 m

**Cable:**  
E02 = 0,25mm<sup>2</sup>, PVC black  
E03 = 0,34mm<sup>2</sup>, PVC black  
H08 = 0,25mm<sup>2</sup>, PUR black LS0H  
H09 = 0,34mm<sup>2</sup>, PUR black LS0H  
I03 = 0,34mm<sup>2</sup>, PVC grey  
K05 = 0,34mm<sup>2</sup>, TPE yellow  
P02 = 0,25mm<sup>2</sup>, PUR/PVC black  
P03 = 0,34mm<sup>2</sup>, PUR/PVC black  
P82 = 0,34mm<sup>2</sup>, PUR black irradiated  
B30 = 0,34mm<sup>2</sup>, black

**Special Types:**



G = Brad in black  
H = Sid with ID tag  
1 = Stainless Steel  
7 = Teflon coat

y = yellow overmoulding  
empty for black

CABLE TYPE	WIRE GAUGE	CABLE JACKET	UL	CSA	static	flexing	drag chain tested	other
E02	0.25mm <sup>2</sup>	PVC black	STYLE 2464	I/II A/B 80°/300V	-30°C to +80°C 5xD	-5°C to +80°C 9xD	---	---
E03	0.34mm <sup>2</sup>	PVC black	STYLE 2464	I/II A/B 80°/300V	-30°C to +80°C 5xD	-5°C to +80°C 9xD	---	---
H08	0.25mm <sup>2</sup>	PUR black LS0H	AWM STYLE 21198/10493	APPROVED	-50°C to +80°C 5xD	-25°C to +80°C 10xD	2000000 cycles	---
H09	0.34mm <sup>2</sup>	PUR black LS0H	AWM STYLE 21198/10493	APPROVED	-50°C to +80°C 5xD	-25°C to +80°C 10xD	drag chain 60°C	---
I03	0.34mm <sup>2</sup>	PVC grey	---	---	-30°C to +70°C	-5°C to +70°C	---	---
K05	0.34mm <sup>2</sup>	TPE yellow	ITC E195601 or PLTC	AWM I/II A/B FT4 LL54185	---	---	---	CSA-US:ITC LL54185-02
P02	0.25mm <sup>2</sup>	PUR/PVC black	not applicable	not applicable	-30°C to +80°C 7xD	-5°C to +80°C 15xD	---	---
P03	0.34mm <sup>2</sup>	PUR/PVC black	not applicable	not applicable	-30°C to +80°C 7xD	-5°C to +80°C 15xD	---	---
P82	0.34mm <sup>2</sup>	irrad. PUR orange	---	---	-50°C to +105°C 5xD	-40°C to +105°C 7.5xD	---	---
B30	0.34mm <sup>2</sup>	PUR black	STYLE 21215	yes	-40°C to +90°C 5xD	-25°C to +80°C 7.5xD	---	---

ENTER DESCRIPTION EC NO: IPG2014-0812 DRWN:PMERUNKA 2012/04/24 CHKD:APOHL 2013/11/04 APPR:APOHL 2013/11/18	DESCRIPTION 1	QUALITY SYMBOLS ▽=0 ◻=0	GENERAL TOLERANCES (UNLESS SPECIFIED) mm INCH 4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.05 ± --- 1 PLACE ± 0.10 ± --- 0 PLACE ± --- ± ---	DIMENSION STYLE MM ONLY DRAWN BY: PMERUNKA DATE: 2012/04/24 CHECKED BY: RSILLER DATE: 2013/01/18 APPROVED BY: APOHL DATE: 2013/11/18	SCALE 1:1 DESIGN UNITS METRIC THIRD ANGLE PROJECTION	TITLE CSE M12 XP AC MA RA XM SE UNSH
		ANGULAR ± .5 ° DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	MATERIAL NO. SEE TABLE SIZE A3	DOCUMENT NO. SD-120065-051 SHEET NO. 2 OF 3		
		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION				
		molex				

10 9 8 7 6 5 4 3 2 1

F

F

E

E

D

D

C

C

B

B

A

A

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1200060273	803007E03M020
1200658568	803007E03M030
1200658569	803007E03M040
1200060275	803007E03M050
1200658506	803007E03M100
1200658720	803007H09M010
1200658721	803007H09M015
1200658722	803007H09M020
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1200658597	803007I03M040
1200658598	803007I03M100
1200651501	803007K05M020
1200651502	803007K05M040
1200651503	803007K05M050
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1200062638	804007E03M006
1200060582	804007E03M010
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


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1200658516	804007E03M1001H
1200063576	804007E03M1501
1200064280	804007E03M200
1200063656	804007E03M2001
1200658235	804007E03M2501
1200064175	804007E03M4001
1200063831	804007E52M100
1200658734	804007H09M010
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1200651691	804007K05M020
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1200652291	805007B30M010
1200652292	805007B30M020
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<b>ENTER DESCRIPTION</b> EC NO: IPG2014-0812 DRWN: PMERUNKA 2012/04/24 CHKD: APOHL 2013/11/04 APPR: APOHL 2013/11/18 1	QUALITY SYMBOLS  = 0  = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DIMENSION STYLE <b>MM ONLY</b>		SCALE <b>1:1</b>	DESIGN UNITS <b>METRIC</b>	 THIRD ANGLE PROJECTION	
		4 PLACES ± --- ± --- 3 PLACES ± --- ± --- 2 PLACES ± 0.05 ± --- 1 PLACE ± 0.10 ± --- 0 PLACE ± --- ± ---	mm INCH ± --- ± --- ± 0.05 ± --- ± 0.10 ± --- ± --- ± ---	DRAWN BY PMERUNKA	DATE 2012/04/24	TITLE <b>CSE M12 XP AC MA RA XM SE UNSH</b>			
		ANGULAR ± .5 °		CHECKED BY RSILLER	DATE 2013/01/18				
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		APPROVED BY APOHL	DATE 2013/11/18	MATERIAL NO. <b>SEE TABLE</b>	DOCUMENT NO. <b>SD-120065-051</b>	SHEET NO. <b>3 OF 3</b>	

9 8 7 6 5 4 3 2 1