



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of “Quality Parts,Customers Priority,Honest Operation,and Considerate Service”,our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



Contact us

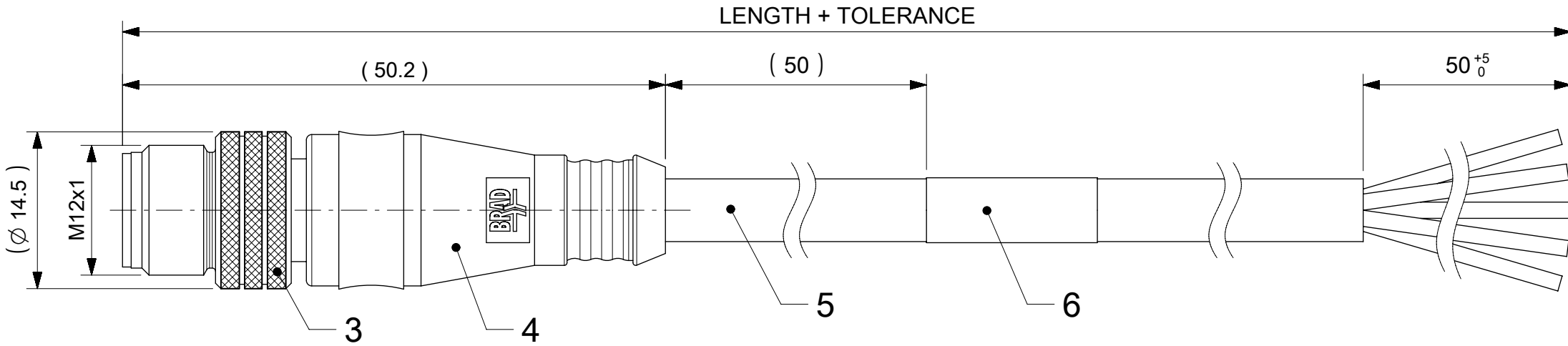
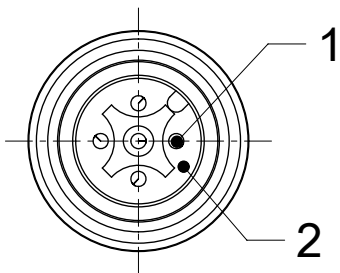
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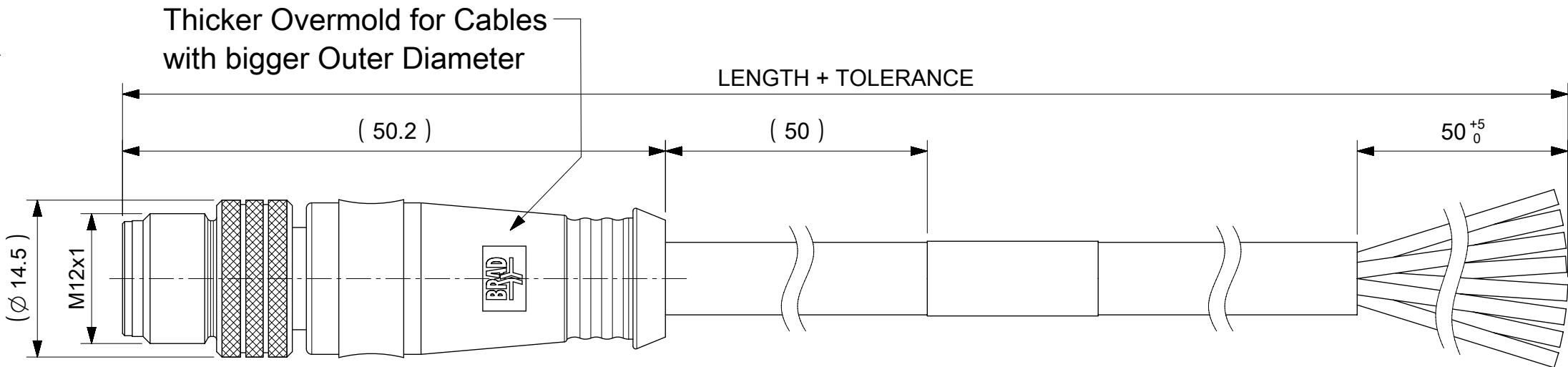
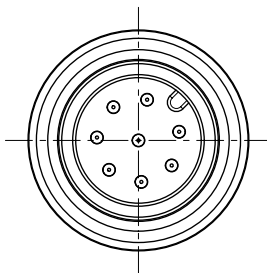
Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China



MALE PLUG M12 STRAIGHT



NOTES:
RATED VOLTAGE: 3, 4 contacts 250V
5 contacts 60V
8 contacts 30V
RATED CURRENT: 3, 4, 5 contacts 4A
8 contacts 2A
PROTECTION CLASS: IP 67
TEMPERATURE: -25°C / +85°C



CONTACTS POSITION FRONT VIEW:

3 CONTACTS		4 CONTACTS		5 CONTACTS		8 CONTACTS	
PIN	WIRE	PIN	WIRE	PIN	WIRE	PIN	WIRE
1	BROWN	1	BROWN	1	BROWN	1	WHITE
2	---	2	WHITE	2	WHITE	2	BROWN
3	BLUE	3	BLUE	3	BLUE	3	GREEN
4	BLACK	4	BLACK	4	BLACK	4	YELLOW
5	---	5	---	5	GREY	5	GREY
						6	PINK
						7	BLUE
						8	RED
CODING REQUIRED TO IEC 61076-2-101							

FOR OPTIONS SEE - NUMERICAL CODE - ON SHEET 2

6	1	LABEL YELLOW	VINYL	---
5	-	CABLE	SEE SHEET 2	---
4	-	OVERMOLDING BLACK	TPU	---
3	1	COUPLING NUT MALE	BRASS	NICKEL
2	1	INSERT MALE BLACK	PUR	---
1	3 / 4 / 5 / 8	CONTACT M12 MALE	BRASS	SELECTIVE Au OVER Ni
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION	SCALE	CURRENT REV DESC: NEW PN'S ADDED			
▽ = 0	mm	2:1	EC NO: 601806			
▽ = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRWN: FDAERNER 2018/07/24	CSE M12 XP AC MA STR XM SE UNSH		
▽ = 0	ANGULAR TOL ± 1.0°		CHK'D: RSILLER 2018/07/24			
▽ = 0	4 PLACES ±		APPR: RSILLER 2018/07/24	PRODUCT CUSTOMER DRAWING		
▽ = 0	3 PLACES ±		INITIAL REVISION:			
▽ = 0	2 PLACES ± 0.05		DRWN: JMARSZALEK 2016/01/12	DOCUMENT NUMBER 1200659185		
▽ = 0	1 PLACE ± 0.3		APPR: RSILLER 2016/04/08			
▽ = 0	0 PLACES ± 0.5			PSD 000 A5		
▽ = 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS					
▽ = 0	THIRD ANGLE PROJECTION	DRAWING	SERIES	SHEET NUMBER 1 OF 4		
▽ = 0		A3-SIZE	120065			

ENGINEERING NO. - NUMERICAL CODE (Available parts see PART LIST table. Others on request).

OPTIONS

8 0 X 0 0 6 X X X X X X X X

80=M12x1
Single ended

Contacts:
3=3 Contacts
4=4 Contacts
5=5 Contacts
8=8 Contacts

Heads style:
006=Plug Male Straight

Cable type: See Table

Units:
M=Meter

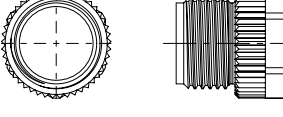
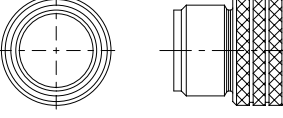
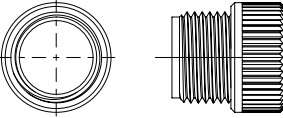
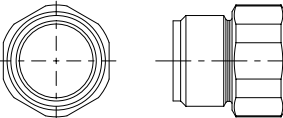
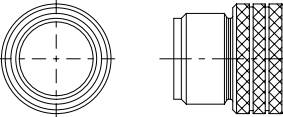
Length
Examples:
005=0.5 unit
010=1 unit
100=10 units

Overmold color:
Blank (Standard)=Black
A=Grey / G=Black / Y=Yellow

Coupling Nut:
Blank (Standard) & 3=Knurled Brass Ni Plated
1=Hexagonal Stainless steel
5=Knurled Derlin
7=Knurled Brass Ni Plated, Teflon Coated
9=Knurled / Hexagonal Brass Ni Plated

H= 2 pcs. of I/D Carrier PVC Transparent

COUPLING NUTS

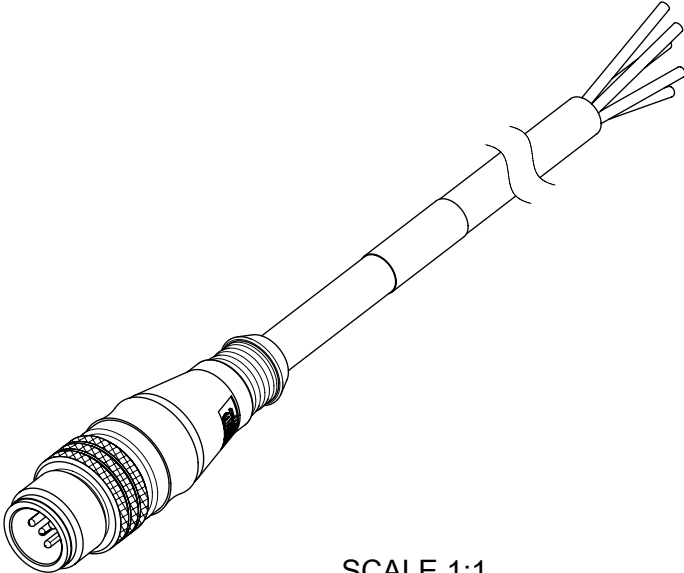


CABLE INFORMATION (for more information see Cable Data Sheet).

CABLE TYPE	NO. OF WIRES	CROSS SECTION	CABLE JACKET	UL	CSA	STATIC: TEMP. / BENDING RADIUS	DYNAMIC: TEMP. / BENDING RADIUS	DRAG CHAIN	SHIELD
E02	3 / 4 / 5 / 8	0.25mm ²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
E03	3 / 4 / 5	0.34mm ²	PVC BLACK	UL 2464/1729	C22.2 I/II A/B 80°C/300V	-30°C to +80°C, 10xO.D.	-10°C to +80°C, 15xO.D.	-	-
H08	3 / 4 / 5 / 8	0.25mm ²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
H09	3 / 4 / 5	0.34mm ²	PUR BLACK LS0H	UL 21198/10493	C22.2 I/II A/B 80°C/300V	-40°C to +80°C, 5xO.D.	-25°C to +80°C, 10xO.D.	2 000 000 cycles at 20°C, Temp. range +5°C to +60°C	-
P02	3 / 4 / 5 / 8	0.25mm ²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-
P03	3 / 4 / 5	0.34mm ²	PUR / PVC BLACK	-	-	-30°C to +80°C, 7xO.D.	-5°C to +80°C, 15xO.D.	-	-

CABLE LENGTH TOLERANCES

OVER	UP TO AND INCLUDING	TOLERANCES
0	305mm	+19mm
305mm	915mm	+45mm
915mm	1830mm	+56mm
1830mm	3660mm	+89mm
3660mm	7320mm	+165mm
7320mm	14640mm	+317mm
14640mm	30500mm	+610mm
30500mm	>	+2% of finished length



SCALE 1:1

SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
	= 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: NEW PN'S ADDED								
	= 0	mm		1:1										
	= 0	GENERAL TOLERANCES (UNLESS SPECIFIED)												
	= 0	ANGULAR TOL ± 1.0 °												
	= 0	4 PLACES		±		EC NO: 601806				CSE M12 XP AC MA STR XM SE UNSH				
	= 0	3 PLACES		±		DRWN: FDAFERNER 2018/07/24								
	= 0	2 PLACES		± 0.05		CHK'D: RSILLER 2018/07/24								
	= 0	1 PLACE		± 0.3		APPR: RSILLER 2018/07/24				PRODUCT CUSTOMER DRAWING				
	= 0	0 PLACES		± 0.5		INITIAL REVISION:				DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION
	= 0	1 PLACE		± 0.3		DRWN: JMARSZALEK 2016/01/12				1200659185		PSD	000	A5
	= 0	0 PLACES		± 0.5		APPR: RSILLER 2016/04/08				MATERIAL NUMBER		CUSTOMER		SHEET NUMBER
	= 0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING	SERIES	SEE SHEET 3-4		GENERAL MARKET		2 OF 4
								A3-SIZE	120065					

A

No.	Part No	Engineering No.	Cable Length
106	1200658612	803006P03M040	4m
107	1200658613	803006P03M100	10m
108	1200658653	803006H09M010	1m
109	1200658654	803006H09M015	1.5m
110	1200658655	803006H09M020	2m
111	1200658656	803006H09M030	3m
112	1200658657	803006H09M040	4m
113	1200658658	808006H08M010	1m
114	1200658659	808006H08M015	1.5m
115	1200658660	808006H08M020	2m
116	1200658661	808006H08M030	3m
117	1200658662	808006H08M040	4m
118	1200658663	808006H08M050	5m
119	1200658727	804006H09M010	1m
120	1200658728	804006H09M015	1.5m
121	1200658729	804006H09M020	2m
122	1200658730	804006H09M030	3m
123	1200658731	804006H09M040	4m
124	1200658732	804006H09M050	5m
125	1200658733	804006H09M100	10m
126	1200658741	805006H09M010	1m
127	1200658742	805006H09M015	1.5m
128	1200658743	805006H09M020	2m
129	1200658744	805006H09M030	3m
130	1200658745	805006H09M040	4m
131	1200658746	805006H09M050	5m
132	1200658747	805006H09M100	10m
133	1200658784	804006E03M0101H	1m
134	1200658785	804006E03M1001H	10m
135	1200658814	808006H08M025	2.5m
136	1200658815	808006E02M003G	0.3m
137	1200658859	808006E02M0061G	0.6m
138	1200658876	804006E03M150	15m
139	1200658881	803006E03M050G	5m
140	1200658888	804006E03M020H	2m

SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ▽ = 0 ⊠ = 0 ■ = 0 ▽ = 0	DIMENSION UNITS		SCALE		CURRENT REV DESC: NEW PN'S ADDED			molex CSE M12 XP AC MA STR XM SE UNSH							
	mm		1:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)														
	ANGULAR TOL ± 1.0°							PRODUCT CUSTOMER DRAWING							
	4 PLACES ±							DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
3 PLACES ±				EC NO: 601806		2018/07/24		1200659185		PSD		000		A5	
2 PLACES ± 0.05				CHK'D: RSILLER		2018/07/24									
1 PLACE ± 0.3				APPR: RSILLER		2018/07/24									
0 PLACES ± 0.5				INITIAL REVISION:											
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				DRWN: JMARSZALEK		2016/01/12									
				APPR: RSILLER		2016/04/08									
				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		120065		SEE PART LIST		GENERAL MARKET		3 OF 4	

10	9	8	7	6	5	4	3	2	1		
PART LIST											
No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length	No.	Part No.	Engineering No.	Cable Length
141	1200658890	804006H09M003	0.3m	176	1200659224	805006P03M200	20m	211			
142	1200658892	803006H09M003	0.3m	177	1200659225	805006P03M300	30m	212			
143	1200658893	804006E03M050H	5m	178	1200659254	804006E03M500	50m	213			
144	1200658895	804006H09M200	20m	179	1200659281	805006P03M150	15m	214			
145	1200658897	805006E03M200	20m	180	1200659284	808006E02M150	15m	215			
146	1200658913	805006P03M030	3m	181	1200659285	805006E03M150	15m	216			
147	1200658918	808006E02M005H	0.5m	182	1200659316	805006P03M005H	0.5m	217			
148	1200658919	808006E02M010H	1m	183	1200659317	805006P03M007H	0.7m	218			
149	1200659034	804006E02M050	5m	184	1200659318	805006P03M010H	1m	219			
150	1200659036	804006E02M070	7m	185	1200659319	805006P03M020H	2m	220			
151	1200659037	804006E02M100	10m	186	1200659320	805006P03M050H	5m	221			
152	1200659041	808006E02M005	0.5m	187	1200659321	805006P03M100H	10m	222			
153	1200659080	804006E03M020Y	2m	188	1200659322	805006P03M150H	15m	223			
154	1200659104	803006E03M010Y	1m	189	1200659323	805006P03M200H	20m	224			
155	1200659109	804006E02M020	2m	190	1200659324	805006P03M300H	30m	225			
156	1200659110	808006E02M0501	✱	191	1200659325	805006P03M350H	35m	226			
157	1200659111	803006E02M050	5m	192	1200659367	805006E03M015	1.5m	227			
158	1200659141	805006H09M200	20m	193	1200659454	805006E03M045	4.5m	228			
159	1200659142	805006H09M300	30m	194	1200659455	805006E03M075	7.5m	229			
160	1200659145	805006E03M300	30m	195	1200659513	805006E03M030H	3m	230			
161	1200659149	805006H09M005	0.5m	196	1200659514	805006E03M045H	4.5m	231			
162	1200659154	804006P03M100Y	10m	197	1200659515	805006E03M075H	7.5m	232			
163	1200659178	804006P03M075	7.5m	198	1200659550	804006E03M120H	12m	233			
164	1200659179	804006P03M015	1.5m	199	1200659551	805006E03M010H	1m	234			
165	1200659185	805006E03M080	8m	200	1200659557	804006P03M003	0.3m	235			
166	1200659186	804006E03M060	6m	201	1200659612	804006P03M080	8m	236			
167	1200659190	804006P03M250	25m	202	1200659692	803006E02M020	2m	237			
168	1200659191	804006P03M300	30m	203	1200659983	804006E02M075	7.5m	238			
169	1200659192	804006P03M350	35m	204	1200659991	804006E02M0705	7m	239			
170	1200659193	804006P03M400	40m	205	1200656021	804006H09M050H	5m	240			
171	1200659194	804006E03M250	25m	206	1200659539	808006E02M100	✱✱	241			
172	1200659195	804006E03M300	30m	207	1200656293	803006E03M080	8m	242			
173	1200659196	804006E03M350	35m	208	1200656294	803006E03M120	12m	243			
174	1200659197	804006E03M400	40m	209	1200656295	804006E03M080	8m	244			
175	1200659198	804006E03M450	45m	210	1200656297	808006H08M005	0.5m	245			

NOTES:

✱

 - Part No. with Yellow PVC overmolding

✱✱

 - Part No. with Black PVC overmolding

SYMBOLS

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DIMENSION UNITS

SCALE

mm

1:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ± 1.0 °

4 PLACES ±

3 PLACES ±

2 PLACES ± 0.05

1 PLACE ± 0.3

0 PLACES ± 0.5

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

THIRD ANGLE PROJECTION

DRAWING

SERIES

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

120065

SEE PART LIST

GENERAL MARKET

4 OF 4

CURRENT REV DESC: NEW PN'S ADDED

EC NO: 601806

DRWN: FDAFERNER

CHK'D: RSILLER

APPR: RSILLER

2018/07/24

2018/07/24

2018/07/24

INITIAL REVISION:

DRWN: JMARSZALEK

APPR: RSILLER

2016/01/12

2016/04/08

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

1200659185

PSD

000

A5

1200659185

CSE M12 XP AC MA STR XM SE UNSH

DOCUMENT STATUS

P1

RELEASE DATE

2018/07/24

08:56:32

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