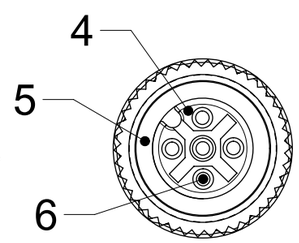
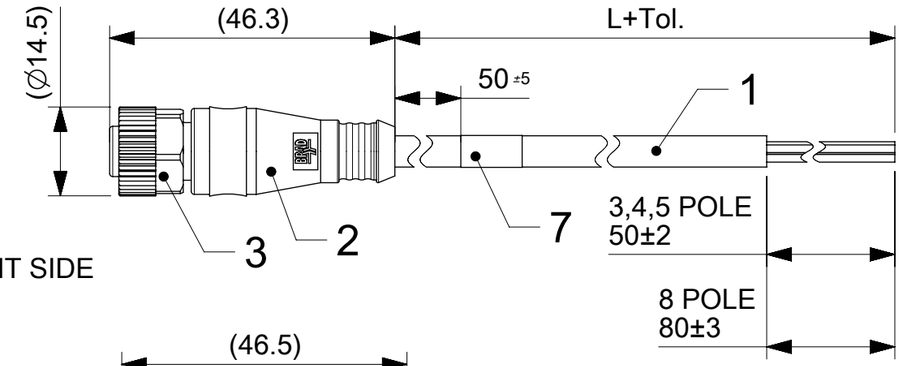
NOTES:
RATED VOLTAGE:
3, 4 contacts 250V
5 contacts 60V
8 contacts 30V
RATED CURRENT:
3, 4, 5 contacts 4A
8 contacts 2A
PROTECTION CLASS: IP 67

REVISION A	TRANSFERRED TO ECTR / ADDED NEW PN
REVISION A1	ADDED NEW CABLE & NEW PN

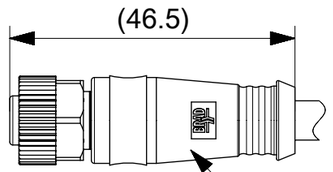


VIEW FROM THE FRONT SIDE
SCALE 2:1





VIEW FROM THE FRONT SIDE
SCALE 2:1

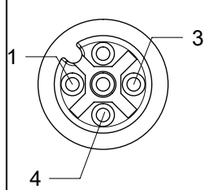
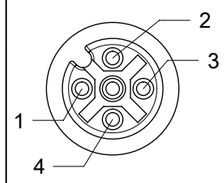
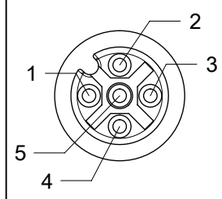
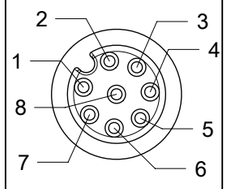


Thicker Overmould for Cables with bigger Outer Diameter

FOR OPTION SEE - NUMERICAL CODE - ON SHEET 2

ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH
7	1	LABEL YE	VINYL	-
6	3/4/5/8	CONTACT FE	BRASS	GOLD OVER Ni-PLATED
5	1	GASKET RD	FPM	-
4	1	INSERT M12 FE XP BK	PUR	-
3	1	COUPLING NUT M12 FE	SEE SHEET 2	SEE SHEET 2
2	-	OVERMOULDING BK	TPU	-
1	-	CABLE	SEE SHEET 2	-

CONTACTS POSITION FRONT VIEW:

	3 CONTACTS	4 CONTACTS	5 CONTACTS	8 CONTACTS
FEMALE				

CONNECTIONS

PIN	WIRE
1	BROWN
3	BLUE
4	BLACK

PIN	WIRE
1	BROWN
2	WHITE
3	BLUE
4	BLACK

PIN	WIRE
1	BROWN
2	WHITE
3	BLUE
4	BLACK
5	GREY OR GREEN/YELLOW

PIN	WIRE
1	WHITE
2	BROWN
3	GREEN
4	YELLOW
5	GREY
6	PINK
7	BLUE
8	RED

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EC NO: 115676 2017/04/06
DRWN: AKONDRACIUK
CHK'D:
APPR: MIWASIECZKO 2017/04/13

GENERAL TOLERANCES (UNLESS SPECIFIED)

ANGULAR TOL ±	°
4 PLACES	±
3 PLACES	±
2 PLACES	±
1 PLACE	±
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS	SCALE
MM	1:1

DRWN BY	DATE
AKONDRACIUK	2016/11/26

CHK'D BY	DATE

APPR BY	DATE
MIWASIECZKO	2016/12/06

DRAWING SIZE	THIRD ANGLE PROJECTION
A3	

A1 REV

molex®

CSE M12 XP AC FE STR WSOR XM SE UNSH BK

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
120065	SEE SHEET 3	

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
1200652251	PSD	00P	1 OF 3

RELEASE STATUS	P1	RELEASE DATE	13.04.2017 06:27:25

FORMAT: master-tb-prod-A3
REVISION: G
DATE: 2015/12/14

ENGINEERING NO - NUMERICAL CODE (Available parts see PART LIST table. Other parts available upon request).

8	0	X	0	0	0	B	X	X	M	X	X	X	X
													OPTIONS

- 88 = M12x1 SINGLE ENDED
- POLES: 3 = 3 POLES; 4 = 4 POLES; 5 = 5 POLES; 8 = 8 POLES
- HEADER: 000 = PLUG FEMALE STRARIGHT
- CABLE TYPE: SEE TABLE
- UNIT: M = METER
- LENGTH: EXAMPLE: 010 = 1 m; 050 = 5 m; 100 = 10 m
- Overmold color: Blank (Standard)=Black; A=Grey / G=Black / Y=Yellow / R=Red
- Coupling Nut: Blank (Standard)=Knurled/Hex Brass, Ni Plated; 5=Knurled Derlin; 7=Knurled Brass Ni Plated, Teflon Coated
- H= 2 pcs. of I/D Carrier PVC Transparent (Cables Ixx & P82 always with 2 pcs. I/D Carrier)



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: TEMP. / BENDING RADIUS	DRAG CHAIN	CABLE SPEC. DRAWING
B30	3 / 4 / 5	0.34mm²	TPU Black	UL 21215/758	C22.2 I/II A/B 80°/600V	-40°C to +90°C 5xO.D.	-25°C to +80°C 7.5xO.D.	-5°C to +60°C 7.5xO.D.	up to 5 000 000 cycles at temp 20°C	SD-120209-001
B33	4 / 5	0.34mm²	TPU Gray							SD-120209-001
B36	4 / 5	0.34mm²	TPU Orange							SD-120209-001
B39	5	0.75mm²	TPU Gray							n/a
B41	8	0.25mm²	TPU Black							SD-120209-006
B42	5	0.34mm²	TPU Black							SD-120209-001
B49	8	0.25mm²	TPU Orange							SD-120209-006
B55	3 / 4 / 5	0.34mm²	TPU Yellow							n/a

A1

TABLE OF LENGTH TOLERANCES		
OVER	UP TO AND INCLUDING	TOLERANCE
0	1000	+40 0
1000	5000	+60 0
5000	10000	+80 0
10000	20000	+140 0
20000	30000	+160 0
30000	>	+1% OF LENGTH

RELEASE STATUS	P1	RELEASE DATE	13.04.2017 06:27:25

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ANGULAR TOL ±	°
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3 PLACES	±
2 PLACES	±
1 PLACE	±
0 PLACES	±

DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

A1 REV

DIMENSION UNITS: MM
SCALE: 1:1
DRWN BY: AKONDRACIUK DATE: 2016/11/26
CHK'D BY: DATE:
APPR BY: MIWASIECZKO DATE: 2016/12/06
DRAWING SIZE: A3
THIRD ANGLE PROJECTION

molex®

CSE M12 XP AC FE STR WSOR XM SE UNSH BK

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
120065	SEE SHEET 3	

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
1200652251	PSD	00P	2 OF 3

PART LIST

3 POLE - CABLE B30

MOLEX PN	ENGINEERING No	L [mm]
1200652247	803000B30M010	1000
1200652248	803000B30M020	2000
1200652249	803000B30M050	5000
1200652250	803000B30M100	10000
1200659784	803000B30M200	20000

4 POLE - CABLE B30

MOLEX PN	ENGINEERING No	L [mm]
1200652251	804000B30M010	1000
1200652252	804000B30M020	2000
1200659466	804000B30M030	3000
1200652253	804000B30M050	5000
1200659805	804000B30M075	7500
1200659788	804000B30M085	8500
1200659806	804000B30M098	9800
1200652254	804000B30M100	10000
1200659400	804000B30M150	15000
1200659467	804000B30M200	20000
1200659468	804000B30M250	25000
1200659469	804000B30M300	30000

4 POLE - CABLE B33

MOLEX PN	ENGINEERING No	L [mm]
1200659966	804000B33M005	500
1200659967	804000B33M010	1000
1200659456	804000B33M020	2000
1200659968	804000B33M030	3000
1200659969	804000B33M040	4000
1200659970	804000B33M050	5000
1200659461	804000B33M100	1000

4 POLE - CABLE B36

MOLEX PN	ENGINEERING No	L [mm]
1200659429	804000B36M0207Y	2000
1200659430	804000B36M0507Y	5000
1200659431	804000B36M1007Y	10000

5 POLE - CABLE B33

MOLEX PN	ENGINEERING No	L [mm]
1200659457	805000B33M020	2000
1200659462	805000B33M100	10000

5 POLE - CABLE B30

MOLEX PN	ENGINEERING No	L [mm]
1200659963	805000B30M006	600
1200659518	805000B30M010	1000
1200659519	805000B30M020	2000
1200659984	805000B30M0207	2000
1200659520	805000B30M050	5000
1200659521	805000B30M100	10000

5 POLE - CABLE B39

MOLEX PN	ENGINEERING No	L [mm]	
1200656042	805000B39M050	5000	A1

5 POLE - CABLE B42

MOLEX PN	ENGINEERING No	L [mm]
1200652255	805000B42M010	1000
1200652256	805000B42M020	2000
1200652257	805000B42M050	5000
1200652258	805000B42M100	10000
1200659543	805000B42M200	20000
1200659544	805000B42M300	30000

8 POLE - CABLE B41

MOLEX PN	ENGINEERING No	L [mm]
1200652306	808000B41M010	1000
1200659458	808000B41M020	2000
1200659777	808000B41M030	3000
1200652308	808000B41M050	5000
1200659463	808000B41M100	10000
1200659734	808000B41M200	20000

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3 PLACES ±
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0 PLACES ±
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS

DIMENSION UNITS: MM
SCALE: 1:1
DRWN BY: AKONDRACIUK DATE: 2016/11/26
CHK'D BY: DATE:
APPR BY: MIWASIECZKO DATE: 2016/12/06
DRAWING SIZE: A3
THIRD ANGLE PROJECTION

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CSE M12 XP AC FE STR WSOR XM SE UNSH BK

PRODUCT CUSTOMER DRAWING

SERIES	MATERIAL NUMBER	CUSTOMER
120065	SEE PART LIST	

DOCUMENT NUMBER	DOC TYPE	DOC PART	SHEET NUMBER
1200652251	PSD	00P	3 OF 3

A1 REV

RELEASE STATUS	P1	RELEASE DATE	13.04.2017 06:27:25

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