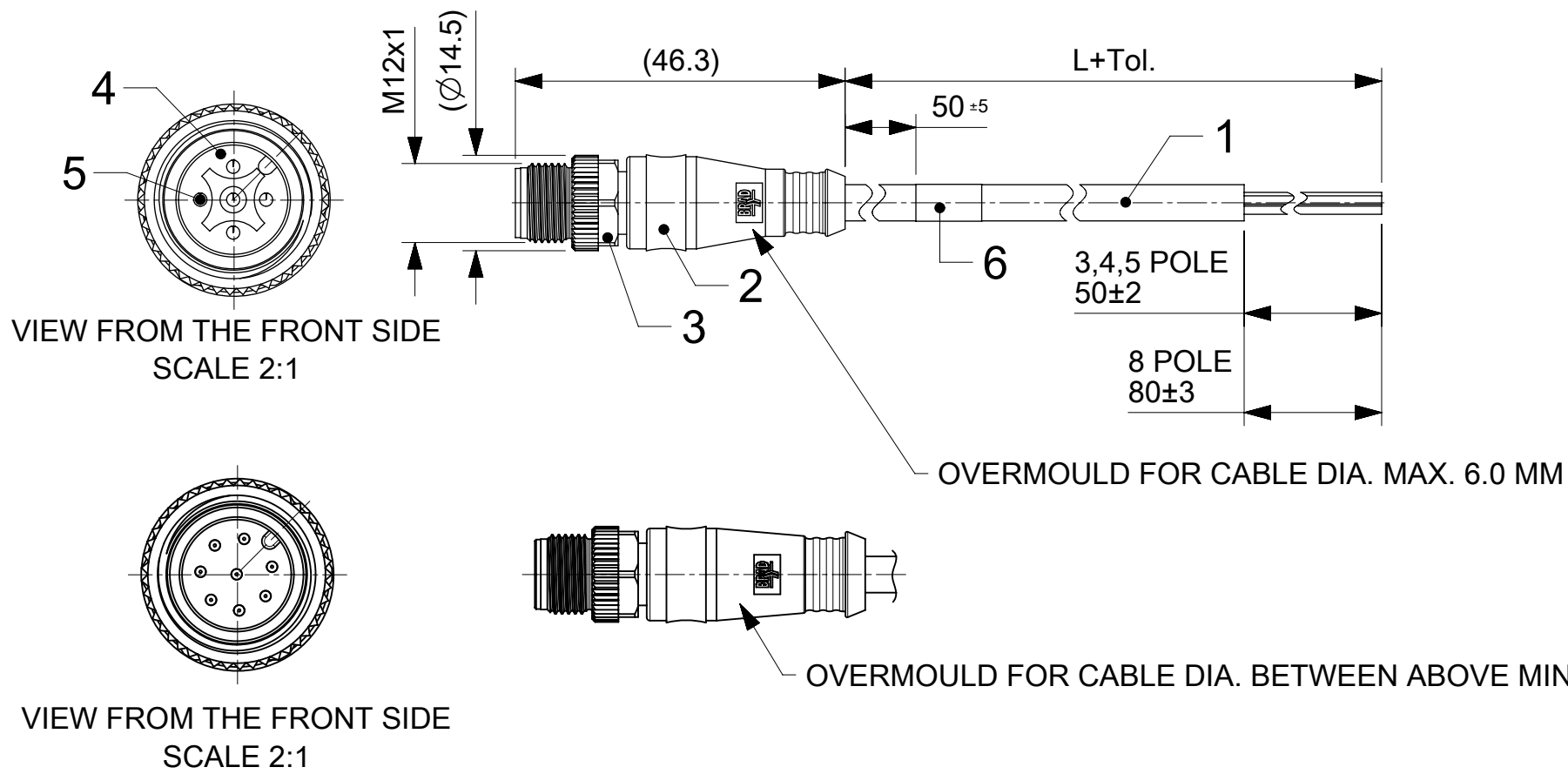
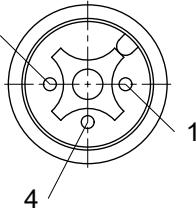
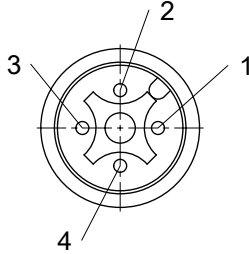
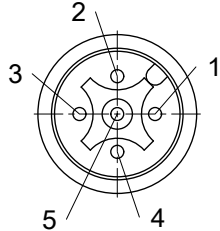
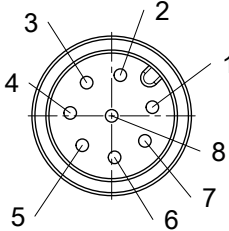




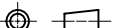
NOTES:
RATED VOLTAGE:
3, 4 contacts 250V
5 contacts 60V
8 contacts 30V
RATED CURRENT:
3, 4, 5 contacts 4A
8 contacts 2A
PROTECTION CLASS: IP 67

CONTACTS POSITION FRONT VIEW:

	3 CONTACTS	4 CONTACTS	5 CONTACTS	8 CONTACTS																																																
MALE																																																				
CONNECTIONS	<table><tr><th>PIN</th><th>WIRE</th></tr><tr><td>1</td><td>BROWN</td></tr><tr><td>3</td><td>BLUE</td></tr><tr><td>4</td><td>BLACK</td></tr></table>	PIN	WIRE	1	BROWN	3	BLUE	4	BLACK	<table><tr><th>PIN</th><th>WIRE</th></tr><tr><td>1</td><td>BROWN</td></tr><tr><td>2</td><td>WHITE</td></tr><tr><td>3</td><td>BLUE</td></tr><tr><td>4</td><td>BLACK</td></tr></table>	PIN	WIRE	1	BROWN	2	WHITE	3	BLUE	4	BLACK	<table><tr><th>PIN</th><th>WIRE</th></tr><tr><td>1</td><td>BROWN</td></tr><tr><td>2</td><td>WHITE</td></tr><tr><td>3</td><td>BLUE</td></tr><tr><td>4</td><td>BLACK</td></tr><tr><td>5</td><td>GREY OR GREEN/YELLOW</td></tr></table>	PIN	WIRE	1	BROWN	2	WHITE	3	BLUE	4	BLACK	5	GREY OR GREEN/YELLOW	<table><tr><th>PIN</th><th>WIRE</th></tr><tr><td>1</td><td>WHITE</td></tr><tr><td>2</td><td>BROWN</td></tr><tr><td>3</td><td>GREEN</td></tr><tr><td>4</td><td>YELLOW</td></tr><tr><td>5</td><td>GREY</td></tr><tr><td>6</td><td>PINK</td></tr><tr><td>7</td><td>BLUE</td></tr><tr><td>8</td><td>RED</td></tr></table>	PIN	WIRE	1	WHITE	2	BROWN	3	GREEN	4	YELLOW	5	GREY	6	PINK	7	BLUE	8	RED
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7	BLUE																																																			
8	RED																																																			

FOR OPTION SEE - NUMERICAL CODE - ON SHEET 2

6	1	LABEL	VINYL	YELLOW
5	3/4/5	CONTACT MA	COPPER	GOLD OVER Ni-PLATED
	8	CONTACT MA	BRASS	GOLD OVER Ni-PLATED
4	1	INSERT M12 MA XP	PUR	BLACK
3	1	COUPLING NUT M12 MA	SEE SHEET 2	SEE SHEET 2
2	-	OVERMOULDING	TPU	SEE SHEET 2
1	-	CABLE	SEE SHEET 2	-
ITEM	QTY.	DESCRIPTION	MATERIAL	FINISH

FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
	DIMENSION UNITS		SCALE		CURRENT REV DESC: NEW PN ADDED			molex							
	mm		1:1												
	GENERAL TOLERANCES (UNLESS SPECIFIED)		EC NO: 704766 DRWN: ARPITT 2022/04/27 CHK'D: RSILLER 2022/04/28 APPR: RSILLER 2022/04/28					CSE M12 XP AC MA STR WSOR XM SE UNSH							
ANGULAR TOL ± 1.0 °															
DIVISIONAL SYMBOLS	4 PLACES		±		INITIAL REVISION: DRWN: MDHARMANTI 2021/10/01 APPR: RSILLER 2021/10/06			PRODUCT CUSTOMER DRAWING							
	3 PLACES		±					DOCUMENT NUMBER			DOC TYPE	DOC PART	REVISION		
	2 PLACES		± 0.05					1200659964			PSD	000	A3		
	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	
						A3-SIZE		120065		SEE SHEET 3		GENERAL MARKET		1 OF 3	

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

OPTIONS

8

0

X

0

0

6

B

X

X

M

X

X

➤

➤

88 = M12x1
SINGLE ENDED

POLES:
3 = 3 POLES
4 = 4 POLES
5 = 5 POLES
8 = 8 POLES

HEADER:
006 = PLUG MALE STRARIGHT

CABLE TYPE:
SEE TABLE

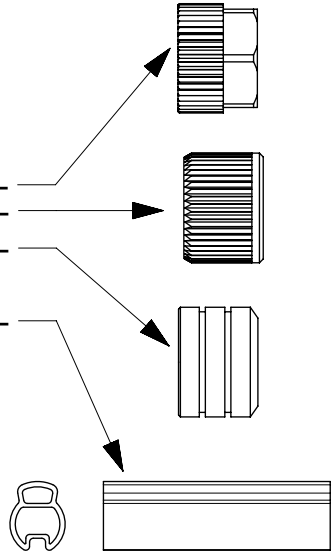
UNIT:
M = METER

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
(Cable B36 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 PRODUCT SPECIFICATION	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	1552200001	SD-120209-001
B33	4 / 5	0.34mm²	TPU Gray								SD-120209-001
B36	4 / 5	0.34mm²	TPU Orange								SD-120209-001
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

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	DIMENSION UNITS		SCALE		CURRENT REV DESC: NEW PN ADDED				molex						
	mm		1:1												
	F A = 0	GENERAL TOLERANCES (UNLESS SPECIFIED)				CSE M12 XP AC MA STR WSOR XM SE UNSH									
F C = 0	ANGULAR TOL ± 1.0 °														
F E = 0	4 PLACES		±		EC NO: 704766				PRODUCT CUSTOMER DRAWING						
DIVISIONAL SYMBOLS	3 PLACES		±		DRWN: ARPITT 2022/04/27										
	2 PLACES		± 0.05		CHK'D: RSILLER 2022/04/28										
	1 PLACE		± 0.3		APPR: RSILLER 2022/04/28										
	0 PLACES		± 0.5		INITIAL REVISION: DRWN: MDHARMANTI 2021/10/01 APPR: RSILLER 2021/10/06										
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
						A3-SIZE		120065		SEE SHEET 3		GENERAL MARKET		2 OF 3	

DOCUMENT STATUS	P1	RELEASE DATE	2022/04/28	08:57:32
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10	9	8	7	6	5	4	3	2	1
PART LIST									
MOLEX P/N			ENGINEERING No.		LENGTH [mm]				
3P CABLE B30									
1200652271	803006B30M010	1000							
1200652272	803006B30M020	2000							
1200652273	803006B30M050	5000							
1200652274	803006B30M100	10000							
4P CABLE B30									
1200656066	804006B30M005	500							
1200652275	804006B30M010	1000							
1200652378	804006B30M010R	1000							
1200652276	804006B30M020	2000							
1200652379	804006B30M020R	2000							
1200656001	804006B30M030	3000							
1200652380	804006B30M030R	3000							
1200656002	804006B30M040	4000							
1200652381	804006B30M040R	4000							
1200652277	804006B30M050	5000							
1200652382	804006B30M050R	5000							
1200656296	804006B30M080	8000							
1200652278	804006B30M100	10000							
1200659440	804006B30M150	15000							
1200657234	804006B30M200	20000							
5P CABLE B30									
1200659964	805006B30M006	600							
1200659526	805006B30M010	1000							
1200659527	805006B30M020	2000							
1200656679	805006B30M030	3000							
1200659528	805006B30M050	5000							
1200659529	805006B30M100	10000							
1200656398	805006B30M150	15000							
1200656399	805006B30M200	20000							
1200656400	805006B30M300	30000							
1200656401	805006B30M500	50000							
MOLEX P/N			ENGINEERING No.		LENGTH [mm]				
4P CABLE B33									
1200656489	804006B33M003A	300							
1200656521	804006B33M005A	500							
1200656487	804006B33M010A	1000							
1200659451	804006B33M020	2000							
1200659596	804006B33M020A	2000							
1200656522	804006B33M030A	3000							
1200659597	804006B33M050A	5000							
1200657152	804006B33M070A	7000							
1200656488	804006B33M100A	10000							
1200656614	804006B33M150A	15000							
1200657156	804006B33M200A	20000							
1200657154	804006B33M300A	30000							
5P CABLE B33									
1200657186	805006B33M005A	500							
1200656673	805006B33M010A	1000							
1200659452	805006B33M020	2000							
1200656674	805006B33M020A	2000							
1200656675	805006B33M030A	3000							
1200656676	805006B33M050A	5000							
1200656677	805006B33M100A	10000							
1200656678	805006B33M150A	15000							
1200657187	805006B33M200A	20000							
1200657188	805006B33M300A	30000							
1200657189	805006B33M400A	40000							
1200657190	805006B33M500A	50000							
4P CABLE B36									
1200656855	804006B36M0207Y	2000							
1200657220	804006B36M0507Y	5000							
1200657221	804006B36M0807Y	8000							
1200657222	804006B36M1007Y	10000							
1200657223	804006B36M1507Y	15000							
1200657224	804006B36M2007Y	20000							
5P CABLE B36									
1200656552	805006B36M1007Y	10000							
MOLEX P/N			ENGINEERING No.		LENGTH [mm]				
8P CABLE B41									
1200659680	808006B41M003	300							
1200652302	808006B41M010	1000							
1200652383	808006B41M010R	1000							
1200659453	808006B41M020	2000							
1200652384	808006B41M020R	2000							
1200659776	808006B41M030	3000							
1200652385	808006B41M030R	3000							
1200656003	808006B41M040	4000							
1200652386	808006B41M040R	4000							
1200652304	808006B41M050	5000							
1200652387	808006B41M050R	5000							
1200652305	808006B41M100	10000							
5P CABLE B42									
1200652279	805006B42M010	1000							
1200652280	805006B42M020	2000							
1200652281	805006B42M050	5000							
1200652282	805006B42M100	10000							
1200659546	805006B42M200	20000							
1200659547	805006B42M300	30000							
4P CABLE B55									
1200656634	804006B55M010Y	1000							
1200656635	804006B55M020Y	2000							
1200656636	804006B55M030Y	3000							
1200659943	804006B55M050Y	5000							
1200659944	804006B55M100Y	10000							
1200656637	804006B55M150Y	15000							
5P CABLE B55									
1200656680	805006B55M010Y	1000							
1200656681	805006B55M020Y	2000							
1200656682	805006B55M030Y	3000							
1200659945	805006B55M050Y	5000							
1200659946	805006B55M100Y	10000							
1200659947	805006B55M150Y	15000							

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	0	DIMENSION UNITS	SCALE
	0	mm	1:1
	0	GENERAL TOLERANCES (UNLESS SPECIFIED)	
	0	ANGULAR TOL	± 1.0 °
	0	4 PLACES	±
	0	3 PLACES	±
	0	2 PLACES	± 0.05
	0	1 PLACE	± 0.3
	0	0 PLACES	± 0.5
	0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS	THIRD ANGLE PROJECTION
	0		DRAWING
	0		SERIES
	0		120065
	0		SEE PART LIST
	0		GENERAL MARKET
	0		3 OF 3

DOCUMENT STATUS		P1	RELEASE DATE	2022/04/28	08:57:32
10	9	8	7	6	5

CABLE LENGTH TOLERANCES	
LENGTH	TOLERANCE
0m-1m	+40 mm
>1m-5m	+60 mm
>5m-10m	+80 mm
>10m-20m	+140 mm
>20m-30m	+160 mm
>30m	+1% length

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