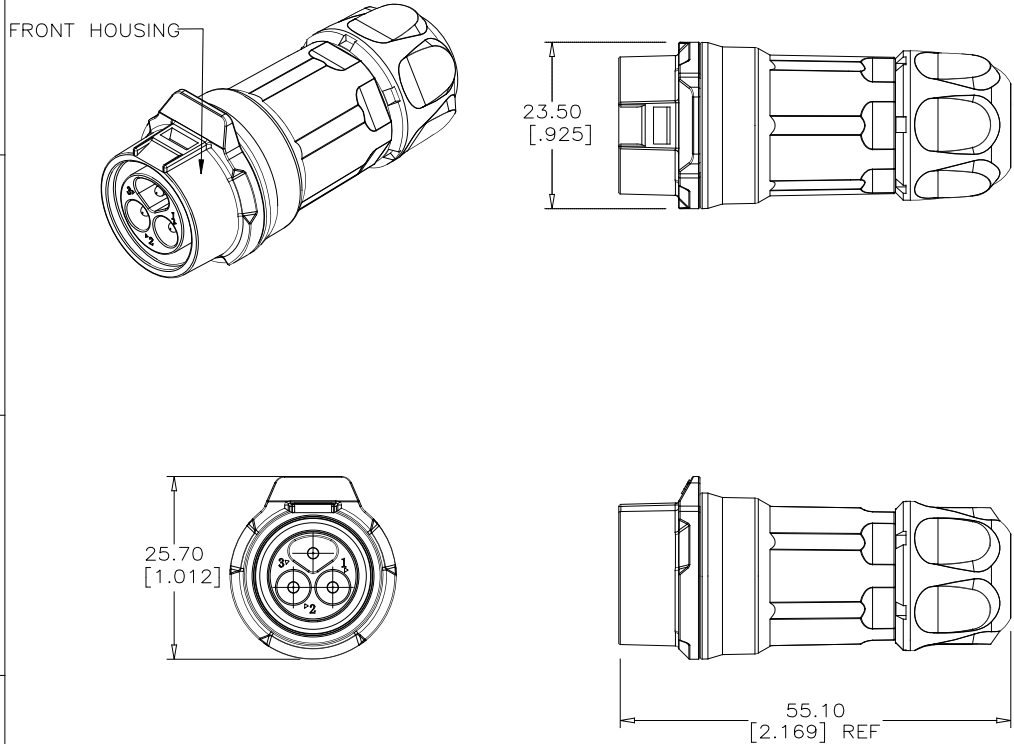
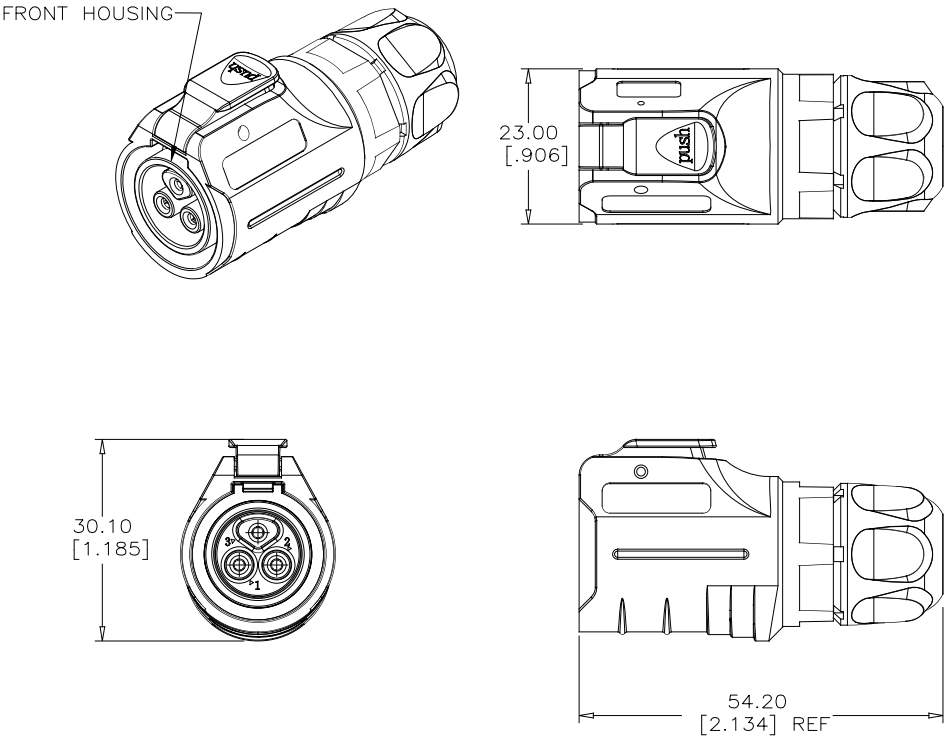


REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
B	PROPOSAL DRAWING (EAR 14575)	MAR14/18	K.L.
C	UPDATING COMMON TERMINOLOGY	MAY18/18	A.G.

FEMALE & PIN CONTACTS



MALE & SOCKET CONTACTS



SEE SHEET 2 FOR ORDERING CODE AND ADDITIONAL INFORMATION



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UNLESS SPECIFIED OTHERWISE		DRAWN	K.XIONG	OCT09/17	Amphenol Canada Corp. Commercial Products	
PRIMARY UNITS MILLIMETERS		CHECKED	K.LAMBIE	MAR14/18		
SECONDARY INCHES		M.E. APP'D			MRD SERIES RUGGED CONNECTOR, MALE OR FEMALE, 3 POSITIONS, LATCH LOCK, CABLE FIELD ASSEMBLY, IP67 RATING, RoHS COMPLIANT	
REFERENCE IN PARENTHESES		Q.A. APP'D				
GENERAL TOLERANCES		DWG APP'D	A.GREEN	MAR14/18	DWG NO. P-MRD-BX03-M1X-000	
1 DECIMAL PLACE	±0.25	ENG. REL. NO.				
2 DECIMAL PLACES	±0.15	REF. EAR 14575			REV C	
3 DECIMAL PLACES	±0.05	THIRD ANGLE PROJECTION				
ANGULAR DEGREES					CODE ID NO. 03554 DWG SIZE X SCALE XX:1 SHEET 1 OF 2	

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
B	PROPOSAL DRAWING (EAR 14575)	MAR14/18	K.L.
C	UPDATING COMMON TERMINOLOGY	MAY18/18	A.G.

ORDERING CODE: M R D - B X 0 3 - M 1 X - 0 0 0

SERIES

CONTACT SIZE & MECHANISM

B=1.5mm & LATCH LOCK

HOUSING ORIENTATION & CONTACT TYPE

G=FEMALE METAL HOUSING & PIN CONTACTS

J=FEMALE PLASTIC HOUSING & PIN CONTACTS

N=MALE METAL HOUSING & SOCKET CONTACTS

R=MALE PLASTIC HOUSING & SOCKET CONTACTS

NUMBER OF CONTACTS

03=THREE CONTACTS

SPECIALS

000=STANDARD

GROMMET SIZE OPTION

6=GROMMET FOR 7.0 (.276) TO
9.0 (.354) CABLE OD

7=GROMMET FOR 4.0 (.157) TO
7.0 (.276) CABLE OD

CONTACT TERMINATION TYPE

M1=SOLDER CUP, FOR FIELD ASSEMBLY
CABLE END

NOTES:

- MATERIAL: ALL MATERIALS ARE RoHS COMPLIANT PER
EU DIRECTIVE 2011/65/EU
HOUSING: THERMOPLASTIC PBT, UL FLAMMABILITY
RATING 94V-0, BLACK
CONTACTS: COPPER ALLOY PLATED WITH
GOLD FLASH OVER NICKEL
GROMMET: SILICONE RUBBER
FRONT HOUSING: ZINC ALLOY PLATED WITH CHROME OR
THERMOPLASTIC PBT. SEE PART NUMBER
TABLE.
- ELECTRICAL CHARACTERISTICS:
CURRENT RATING: 10A
OPERATING VOLTAGE: 500V AC MAXIMUM
DIELECTRIC WITHSTANDING VOLTAGE: 2500V DC
CONTACT RESISTANCE: 5.0mΩ MAXIMUM.
- RECOMMENDED CABLE OUTSIDE DIAMETER: DEPENDS ON
GROMMET SELECTED, SEE ORDERING CODE AND PART
NUMBER TABLE.
- ENVIRONMENTAL PROTECTION: IP67 PER IEC 60529 IN THE
MATED CONDITION.

PART NUMBER TABLE:

CONNECTOR PART NUMBER	CONNECTOR TYPE	CONTACT TYPE	RECOMMENDED CABLE OD RANGE	FRONT HOUSING MATERIAL
MRD-BG03-M16-000	FEMALE	PIN	7.0 (.276) - 9.0 (.354)	ZINC/CHROME
MRD-BG03-M17-000	FEMALE	PIN	4.0 (.157) - 7.0 (.276)	ZINC/CHROME
MRD-BJ03-M16-000	FEMALE	PIN	7.0 (.276) - 9.0 (.354)	PBT
MRD-BJ03-M17-000	FEMALE	PIN	4.0 (.157) - 7.0 (.276)	PBT
MRD-BN03-M16-000	MALE	SOCKET	7.0 (.276) - 9.0 (.354)	ZINC/CHROME
MRD-BN03-M17-000	MALE	SOCKET	4.0 (.157) - 7.0 (.276)	ZINC/CHROME
MRD-BR03-M16-000	MALE	SOCKET	7.0 (.276) - 9.0 (.354)	PBT
MRD-BR03-M17-000	MALE	SOCKET	4.0 (.157) - 7.0 (.276)	PBT



UNLESS SPECIFIED OTHERWISE		DRAWN	K.XIONG	OCT09/17	Amphenol Canada Corp.			
					Commercial Products			
PRIMARY UNITS MILLIMETERS		CHECKED	K.LAMBIE	MAR14/18	MRD SERIES RUGGED CONNECTOR, MALE OR FEMALE, 3 POSITIONS, LATCH LOCK, CABLE FIELD ASSEMBLY, IP67 RATING, RoHS COMPLIANT			
SECONDARY INCHES		M.E. APP'D						
REFERENCE IN PARENTHESES		Q.A. APP'D						
GENERAL TOLERANCES		DWG APP'D	A.GREEN	MAR14/18	DWG NO. P-MRD-BX03-M1X-000			
1 DECIMAL PLACE ±0.25		ENG. REL. NO.						
2 DECIMAL PLACES ±0.15		REF.	EAR 14575		REV C			
3 DECIMAL PLACES ±0.05					CODE ID NO. 03554		DWG SIZE X	SCALE XX:1
ANGULAR DEGREES		THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING	SHEET 2 OF 2			