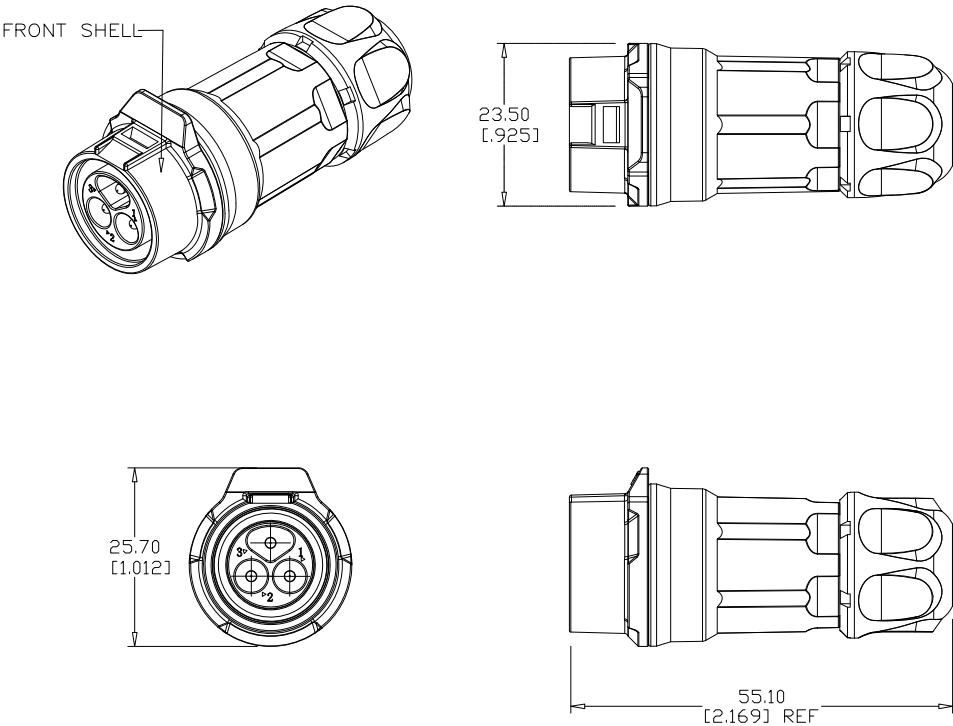
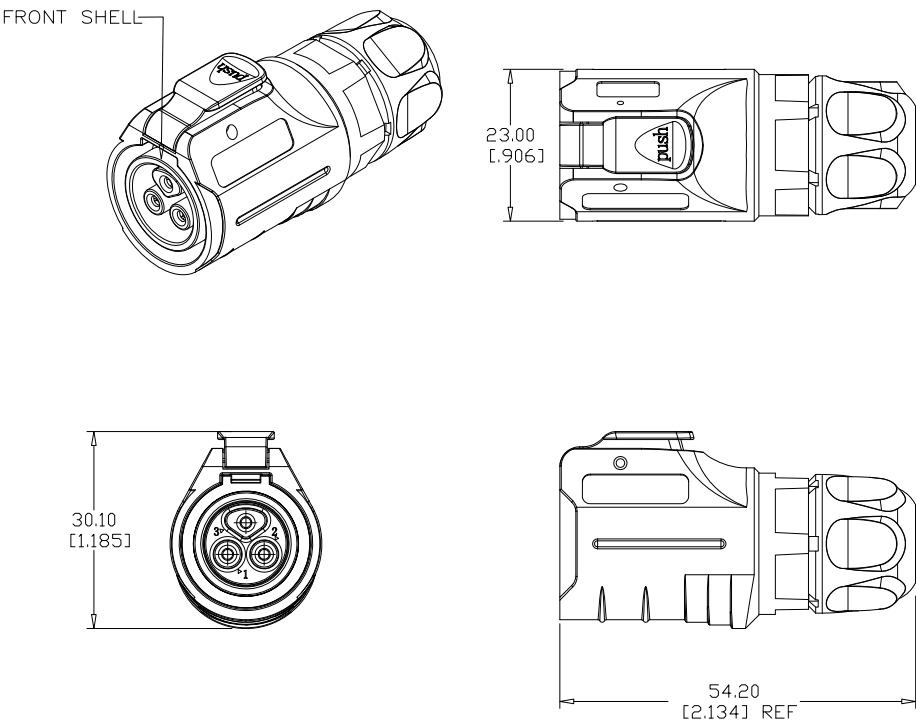


REVIEWS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	PROPOSAL DRAWING (EAR 14575)	SEP28/17	A.G.

FEMALE HOUSING & PIN CONTACT



MALE HOUSING & SOCKET CONTACT



SEE SHEET 2 FOR ORDERING CODE AND ADDITIONAL INFORMATION



THIS DOCUMENT CONTAINS PROPRIETARY INFORMATION AND SUCH INFORMATION MAY NOT BE DISCLOSED TO OTHERS FOR ANY PURPOSE OR USED FOR MANUFACTURING PURPOSES WITHOUT WRITTEN PERMISSION FROM AMPHENOL CANADA CORP.

UNLESS SPECIFIED OTHERWISE		DRAWN	K.XIONG	SEP28/17	Amphenol Canada Corp. www.amphenolcanada.com	
PRIMARY UNITS MILLIMETERS		CHECKED	K.LAMBIE	SEP28/17		
SECONDARY INCHES		M.E. APP'D			MRD SERIES RUGGED CONNECTOR, IP67, LATCH LOCK, CABLE END FIELD ASSEMBLY, 3 POSITION, RoHS COMPLIANT	
REFERENCE IN PARENTHESES		Q.A. APP'D				
GENERAL TOLERANCES		DWG APP'D	A.GREEN	SEP28/17	DWG NO. P-MRD-BX03-M1X-000	
1 DECIMAL PLACE ±0.25		ENG. REL. NO.				
2 DECIMAL PLACES ±0.15		REF.	EAR 14575		CODE ID NO. 03554 DWG SIZE X SCALE XX:1 SHEET 1 OF 2	
3 DECIMAL PLACES ±0.05		THIRD ANGLE PROJECTION		DO NOT SCALE DRAWING		
ANGULAR DEGREES					REV A	

REVISIONS			
REV	DESCRIPTION, ECN, EAR NO.	DATE	APP'D
A	PROPOSAL DRAWING (EAR 14575)	SEP28/17	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 CONTACT

J=FEMALE PLASTIC HOUSING & PIN CONTACT

N=MALE METAL HOUSING & SOCKET CONTACT

R=MALE PLASTIC HOUSING & SOCKET CONTACT

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:

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

PART NUMBER TABLE:

CONNECTOR PART NUMBER	CONNECTOR TYPE	CONTACT TYPE	RECOMMENDED CABLE OD RANGE	FRONT SHELL MATERIAL
MRD-BG03-M16-000	FEMALE	PIN	7.0 (.276) - 9.0 (.354)	ZINC ALLOY
MRD-BG03-M17-000	FEMALE	PIN	4.0 (.157) - 7.0 (.276)	ZINC ALLOY
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 ALLOY
MRD-BN03-M17-000	MALE	SOCKET	4.0 (.157) - 7.0 (.276)	ZINC ALLOY
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	SEP28/17	Amphenol Canada Corp. www.amphenolcanada.com	
PRIMARY UNITS MILLIMETERS		CHECKED K.LAMBIE	SEP28/17		
SECONDARY INCHES		M.E. APP'D		MRD SERIES RUGGED CONNECTOR, IP67, LATCH LOCK, CABLE END FIELD ASSEMBLY, 3 POSITION, RoHS COMPLIANT	
REFERENCE IN PARENTHESES		Q.A. APP'D			
GENERAL TOLERANCES		DWG APP'D A.GREEN	SEP28/17	DWG NO. P-MRD-BX03-M1X-000	
1 DECIMAL PLACE ±0.25		ENG. REL. NO.			
2 DECIMAL PLACES ±0.15		REF. EAR 14575		REV A	
3 DECIMAL PLACES ±0.05		THIRD ANGLE PROJECTION			
ANGULAR DEGREES		DO NOT SCALE DRAWING		CODE ID NO. 03554 DWG SIZE X SCALE XX:1 SHEET 2 OF 2	