

2178439-1

6.3 mm(.250) FLAG F-SPRING FASTON LOW INSERTION FORCE



Description FLAG F-SPRING CONTACT LOW INSERTION FORCE RECEPTACLE

Wire section range 1.5~3.3 sqmm (AWG # 16- #12)

Max. Insulator 3.8 mm

Materials, Temperature & Contact resistance

Part number	Material	Finishing	Max. temp.(C°)	Resistance(mΩ)
2178439-1	Steel	Nickel-plated	400	1.68

Note: Temperature per IEC 61210 standard. Contact resistance test method per IEC 60512 Standard

Material thickness

0.4mm

Current carrying capability

Wire range (AWG)	Continues rated current (A)
16AWG	10
14AWG	15
12AWG	18

Note: Current carrying capacity according to wire size per IEC 61210

Insertion/Withdrawal forces

	TE connectivity	
	Spec	Typical value
1 st Insertion	35N max.	< 30N
1 st Withdrawal	40N min.	>60N
6 th Withdrawal	20N min.	>20N

Applicator part number

2150336-2

Application spec

114- 64027

Product spec

108- 64027

Wire strping length

4.8mm ± 0.5

Crimping parameters & Pull out force

Wire range(AWG)	Conductor		Insulator	Pull-out force		
	Height(mm)	Width(mm)		UL 310(N)	IEC 61210(N)	Measured(N)
16	1.64	2.54 "F"	4.57	133N min.	133N min.	190.7(AVG.)
14	1.85	2.54 "F"	4.57	223N min.	223N min.	302.3(AVG.)
12	1.96	2.54 "F"	4.57	311N min.	311N min.	404.4(AVG.)

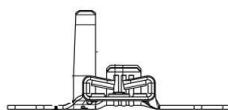
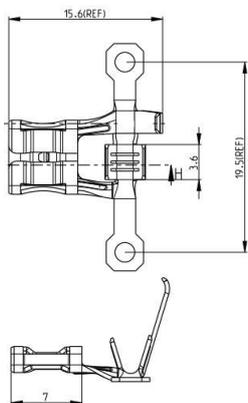
Packing

2000 Pieces per reel, 6000 Pieces per box,

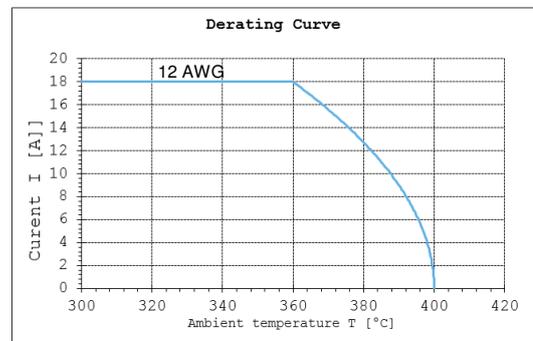
Approvals

UL certification No.: E66717-20150429; VDE certification No: 40043271; RoHS Compliant; Reach Compliant.

Drawing



Derating curve



Note: Maximum current VS maximum ambient temperature