molex®

QF50 Low Profile Strain Relief

Packaging Specification

901700020 (20 circuit)

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: **IPG2012-1068** DATE: **14 Jun 2012**	**QF50 LOW PROFILE STRAIN RELIEF PACKAGING SPECIFICATION**	**1** of **5**

DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
PK-90170-001	**S.McGreevy**	**D.Maher**	**E.Folan**

1.0 SCOPE

This standard specifies the general requirements for the packaging of the 90170 seriesstrain relief used with QF50 products.

2.0 PURPOSE

The purpose of this specification is to assure that all product shipped from Molex arrives damage free and in a manner which allows ease of handling, storage and distribution.

3.0 GENERAL PACKAGING INFORMATION

- The recommended carton closure is tape.
- This document details component quantities required for the packaging of one Standard Packaging Quantity (SPQ),the Minimum Order Quantity (MOQ) and combinations of these.
- The shipping weight for a carton should not exceed 15kg.
- For carton box dimensions see E-96707-001

REVISION:	ECR/ECN INFORMATION:	TITLE:		SHEET No.
A	EC No: **IPG2012-1068**	**QF50 LOW PROFILE STRAIN RELIEF PACKAGING SPECIFICATION**		**2** of **5**
	DATE: **14 Jun 2012**			
DOCUMENT NUMBER: **PK-90170-001**	CREATED / REVISED BY: **S.McGreevy**	CHECKED BY: **D.Maher**	APPROVED BY: **E.Folan**	

4.0 PACKAGING OF 90170 PRODUCT

The first stage in packaging of the strain relief parts is to place a defined quantity of the part number to be packaged into a plastic bag (99990136). Quantities per bag for each product can be found in Table 1 below.

Part Number	Circuit Size	Bag Part No.	Quantity per Bag (SPQ)	MOQ	Bags per MOQ
90170-0010	10	99990136	1330	6650	5
90170-0014	14	99990136	1050	5250	5
90170-0016	16	99990136	910	4550	5
90170-0020	20	99990136	770	3850	5
90170-0026	26	99990136	630	3150	5
90170-0030	30	99990136	560	2800	5
90170-0034	34	99990136	490	2450	5
90170-0040	40	99990136	420	2100	5
90170-0050	50	99990136	350	1750	5
90170-0060	60	99990136	280	1400	5
90170-0064	64	99990136	280	1400	5

Table 1, SPQ& MOQ values for each product

For each part number there is a Minimum Order Quantity. This MOQ and the number of bags required to provide the MOQ are also detailed in Table 1. When packaging into carton boxes the shipping specialist will endeavor to keep the packaging requirements at a minimum to keep freight expenses as low as possible.

In some instances an order may be comprised of multiples of MOQ with additional multiples of SPQ. For example, part number 90170-0020 (highlighted) has an MOQ of 5 bags of parts or 3850 pieces. A customer orders 4620 pieces in month 1 and 9240 pieces in month 2. These orders are made up of 6 & 12 SPQ units respectively.

In the case of the first order, the shipping specialist will use a carton (96707-0001) for 5 of the bags and the smaller (96707-0003) carton for the remaining bag. Any excess space inside the second carton will be filled with packaging space filler.

In the case of the second order, the shipping specialist would use a larger carton (96707-0007) for 10 of the bags and a (96707-0003) carton for the remaining 2 bags. Again, any excess space would be filled with a space filling material.

The above are only examples of how the product can be packaged. The shipping specialist will decide on the appropriate packaging depending on the actual quantities to be shipped.

REVISION:	ECR/ECN INFORMATION:	TITLE:			SHEET No.
A	EC No: **IPG2012-1068** DATE: **14 Jun 2012**	**QF50 LOW PROFILE STRAIN RELIEF PACKAGING SPECIFICATION**			**3** of **5**
DOCUMENT NUMBER: **PK-90170-001**		CREATED / REVISED BY: **S.McGreevy**	CHECKED BY: **D.Maher**	APPROVED BY: **E.Folan**	

5.0 WEIGHTS AND MEASURES

Box dimensions:
The Carton Boxes have the following outer dimensions:

Box Part No.	Maximum Outside Length (mm)	Maximum Outside Width (mm)	Maximum Outside Depth (mm)
96707-0001	370.94	183.94	191.87
96707-0003	371.94	183.94	99.88
96707-0007	371.94	371.94	191.87

Table 2, Box Dimensions

Box weights:
It is not possible to give values for the weights of boxes where individual or multiple SPQ quantities are contained in a box. The following table gives an estimated weight of an MOQ and double MOQ shipping carton (MOQ using 96707-0001 & double MOQ using 96707-0007). Weights are based on volumetric measurement of 3D Cad data and specified density of plastic and measured weights of listed carton boxes. 3D Cad information may vary slightly from actual parts so specified weights are an estimate only.

Part Number	Calculated Weight (kg) MOQ (96707-0001)	Calculated Weight (kg) 2x MOQ (96707-0007)
90170-0010	3.1kg	6.0kg
90170-0014	3.0kg	5.8kg
90170-0016	2.85kg	5.5kg
90170-0020	2.8kg	5.4kg
90170-0026	2.75kg	5.35kg
90170-0030	2.75kg	5.3kg
90170-0034	2.65kg	5.15kg
90170-0040	2.6kg	5.1kg
90170-0050	2.65kg	5.1kg
90170-0060	2.5kg	4.8kg
90170-0064	2.6kg	5.1kg

Table 3, Estimated Carton Weights for MOQ and 2x MOQ volumes

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: **IPG2012-1068** DATE: **14 Jun 2012**	**QF50 LOW PROFILE STRAIN RELIEF PACKAGING SPECIFICATION**	**4** of **5**

DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
PK-90170-001	**S.McGreevy**	**D.Maher**	**E.Folan**

6.0 LABELLING

The labels to be used are standard Molex Ireland 127mm x 76.2mm labels as specified in standard ES-40000-7012, as shown below.The Molex part no. and quantity will be clearly be marked on the label which will then be affixed to the outside of the packaging carton.

(1P) PART NUMBER	XXXXXXXXX
DESCRIPTION	
(Q) QUANTITY	XXX
(12D) INV CTRL DATE	XXXX/XX/XX
(4L) COUNTRY OF ORIGIN	Ireland
(S) TRACKING NO	XXXXXXXXX

REACH SVHC information - see www.molex.com

Packing Standards	0/0	VS
Eng.Nr.	XXXXXXXXX	X/X
Molex P/N	XXXXXXXXX	

www.molex.com

MOLEX IRELAND LTD., SHANNON INDUSTRIAL ESTATE, SHANNON, CO.CLARE, IRELAND

REVISION:	ECR/ECN INFORMATION:	TITLE:	SHEET No.
A	EC No: **IPG2012-1068** DATE: **14 Jun 2012**	**QF50 LOW PROFILE STRAIN RELIEF PACKAGING SPECIFICATION**	**5** of **5**

DOCUMENT NUMBER:	CREATED / REVISED BY:	CHECKED BY:	APPROVED BY:
PK-90170-001	**S.McGreevy**	**D.Maher**	**E.Folan**