

Additional Master Switch Link Loom

ZG.20354-01GB Specification Document

Version 1.1

Internal Part Number: ZG.20354-01GB

External Part Number: ZG.20354-01GB

Date: July 25, 2025

Overview

This document specifies the requirements and assembly instructions for the Additional Master Switch Link Loom Assembly (ZG.20354-01GB), designed by MAN-TBUK. This assembly ensures reliable electrical connectivity with robust insulation.



QTY	Description	M/F - P/N	
3850mm	Brown Wire – 1mm ² Thin Wall (Max Current Rating 16 Amps)	TW1.BR.500	
3850mm	Red Wire – 1mm ² Thin Wall (Max Current Rating 16 Amps)	TW1.R.500	
3850mm	White Wire – 1mm ² Thin Wall (Max Current Rating 16 Amps)	TW1.W.500	
3850mm	Green Wire – 1mm ² Thin Wall (Max Current Rating 16 Amps)	TW1.G.500	
40mm	Black Adhesive Lined Heat Shrink - Flame Retardant, Self-extinguishing	ATUM-16/12-0-STK	
X1	Hellerman Small Label – Text – ZG.20xxx-01GB	596-09320 TAG9TD3-323-CL/WH	
X4	Female MKR Plus Terminal	26780.201.184	
X4	MRK Plus Wire Seal	15324985	
X4	Schlemmer 4 Pin Connector	DIN72585	
X1	Schlemmer 4 Pin Connector Anti Back Out	7807500	
3400mm	Schlemmer NW8.5 Non Split Conduit	1926008	

Material Preparation

Wire Preparation

- Cut wires (1mm² Thin Wall)
 - 1x Red 3850mm
 - 1x White 3850mm
 - 1x Brown 3850mm
 - 1x Green 3850mm
- Wire Machine Settings:
 - Strip Setting: 10/4/3850/2/4/50/12
 - Speed Setting: 8/2/8

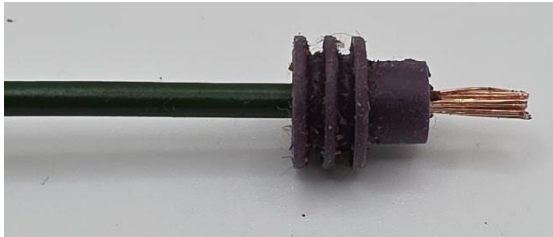
Heat Shrink Preparation

- Cut one piece of black adhesive-lined heat shrink to 40 mm

Assembly

Step 1: Crimp Terminal onto wires

On the 4mm stripped end, slide the wire seal over the wire. Using the 26780.201.184 terminal press, crimp the terminal onto the wires.



Step 2: Assemble Connector

Slide the 4 wires through the conduit, plug the terminals in the connector as follows.

Pin 1 – White

Pin 2 – Brown

Pin 3 – Red

Pin 4 – Green



Add the anti-backout clip, insert the conduit into the back shell, close the shell and add a zip tie to ensure the back shell stays closed.

Step 3: Heat Shrink and Coil

Add the heat shrink to where the wires exit the conduit. Place half over the conduit and half over the wires. Using the heat gun at 250*c, melt the heat shrink the close off the conduit and secure the wires.

Coil the assembly up so it can fit into a 8'x10' zip lock bag.

Step 4: Apply Label

Attach the Hellerman label (Text: ZG.20xxx-01GB) 40cm down from the connector around the conduit.

Step 5: Final Inspection

Conduct a thorough visual inspection to ensure compliance with specifications.



