

# Technical Data Sheet



15.01.2018

Description:	Main Line Branch Terminal 70 mm <sup>2</sup> – 1 pole (Al/Cu)
Construction:	Model C – all-side fingersafe, modular system
Item no. :	080310-x-3

**Remarks:** The product is compliant with the EC ROHS directives

**Standards:** IEC 60947-7-1, IEC 61238-1 (Class A)



**Nominal Voltage:** 1.000 V AC / 1.000 V DC

**Nominal current:** Cu 300 A (2x50mm<sup>2</sup>); 192 A (1x70mm<sup>2</sup>) as per IEC 60947-7-1  
Al 300 A (2x50mm<sup>2</sup>)\* as per IEC 61238-1 (Class A)

\* Approved with Reko SFS 4880 (manufactured by Reka Cables Ltd)

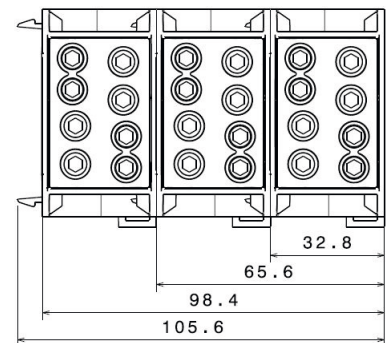
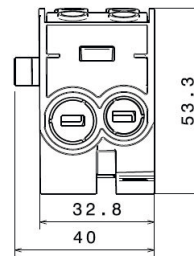
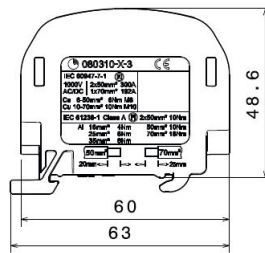
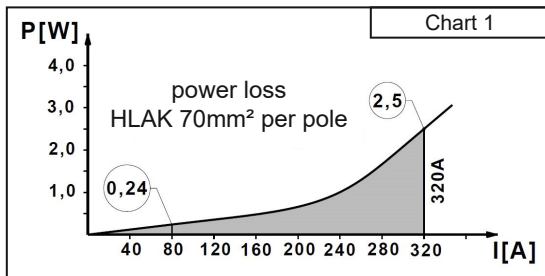
**Power loss:** Tested by SGS Fimko Ltd (FI) (see chart 1)

	2 x 70 mm <sup>2</sup> (round conductor)			2 x 50 mm <sup>2</sup> (round conductor)		
	Cu		Al	Cu		Al
70 mm <sup>2</sup>	10 Nm	-	18 Nm	-	-	-
50 mm <sup>2</sup>	10 Nm	10 Nm	10 Nm	6 Nm	-	10 Nm
35 mm <sup>2</sup>	10 Nm	10 Nm	8 Nm	6 Nm	6 Nm	8 Nm
25 mm <sup>2</sup>	10 Nm	10 Nm	6 Nm	6 Nm	6 Nm	6 Nm
16 mm <sup>2</sup>	10 Nm	10 Nm	4 Nm	6 Nm	6 Nm	4 Nm
10 mm <sup>2</sup>	10 Nm	10 Nm	-	6 Nm	6 Nm	-
6 mm <sup>2</sup>	-	10 Nm	-	6 Nm	6 Nm	-
4 mm <sup>2</sup>	-	-	-	-	6 Nm	-
stripping length	25 mm			20 mm		
screw	M10 (SW 4 mm)			M8 (SW 4 mm)		

**Materials:** Terminal body: brass (CuZn39Pb2) 3-4µm Ni / 7-10µm Sn  
Housing: PA 6 (Halogen-free)  
Screws: steel Zn thick-film passivated

**Flame resistance:** Self-extinguishing

**Mechanical data:** Dimensions: width x height x depth (mm): 40 x 53,3 x 63



## Design

Basic housing colour – light grey RAL 7035

Part no.	Design	Cover colour	PU	GTIN (EAN)
080310-0-3	L G	light grey RAL 7035	3	4051589031035
080310-1-3	N	light blue RAL 5012	3	4051589031134
080310-2-3	PE	yellow-green RAL 6018	3	4051589031233
080310-3-3	L B	clay brown RAL 8003	3	4051589031332
080310-4-3	L S	jet black RAL 9005	3	4051589031431
080310-5-3	R	beige red RAL 3012	3	4051589031530

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