



Disconnect Boxes

Applications

The Flexo range of trackside disconnection boxes is compatible with a variety of applications, including Clamplock, Track Circuit, AWS TCAID and Level Crossing Treadle.

The unique design incorporates a hard neoprene moulded back plate, with sliding steel cover providing excellent accessibility. The rail bonding (stud Connections) are catered for with the 2.5mm² C1 leads. With the cover removed, access to the internal terminals is available on all sides. The cover itself is epoxy coated to resist corrosion and includes the facility for security padlocking. The moulded cable nesting grooves simplifies installation as no traditional glands are required.

Features and Benefits

The design principles applied ensure that every unit exceeds the performance requirements. Specifically, the threaded inserts are fully bonded to the neoprene to ensure integrity. They are manufactured from high grade brass to guarantee long life. The covers are exceptionally tough and corrosion resistant. The neoprene body ensures that vibration degradation is eliminated ensuring that terminations will not fracture.

Installation

Cable entry is simplified by the provision of moulded nesting grooves to suit individual applications. The cables are secured by means of a full width clamp/brush sealing arrangement requiring a single allen key only. This facilitates rapid assembly and allows cable routings to be checked quickly and easily. The boxes are designed to be used with cables requiring terminating on site or with certain products from the range of Prysmian pre-terminated detection system cables.

TRACKSIDE DISCONNECT BOX - ACCESSORIES

Description	Prysmian Part Number	PADS Cat. Number
Disconnect box mounting stake, standard length for normal ground conditions	RL1667/00	086/010751
Disconnect box mounting stake, long length for poor ground conditions	RL1678/00	086/088250
Disconnect box mounting stake, extra long length for very poor ground conditions	RL1721/00	086/088260
Disconnect box mounting stake, long length for TCAID applications	RL1670/00	086/088261
Post mounting kit for disconnect boxes	W49980058	086/010754
Small Stainless Steel Cover 204x111x70	RL1696/00	-

Technical Data

TRACKSIDE DISCONNECT BOXES											
Size	Width	Length	Depth	No. Cable Entries	Contact block rows	Contact Pairs		Prysmian Part No.	PADS Cat. No.	Typical Applications	
						Row 1	Row 2				
Small	204	111	70	5	1	4	-	W91730001	086/043877	Track circuit applications, style 11211	
Small	204	111	70	5	1	4	-	W91740001	086/043879	TCAID-N applications, style 11111	
Small	204	111	70	2	1	4	-	W91760001	086/043880	AWS applications, style 20002	
Small	204	111	70	2	1	4	-	W91790001	-	AWS applications, style 20002B, for B2 cable entry	
Small	204	111	70	3	1	4	-	W91800001	086/043881	TCAID-N applications, style 30011	
Small	204	111	70	2	1	4	-	W91810001	086/043886	2 x 4 core cables, style 40004	
Small	204	111	70	4	1	4	-	W91830001	086/043887	Inductor, style 2222	
Small	204	111	70	2	1	3	-	W91920001	086/010761	TPWS applications, 3 way	
Small	204	111	70		1		-	W92150001			
Small Extended	229	111	70	4	1	6	-	W92190001	086/010762	TPWS applications, 6 way	
Medium	204	190	70	4	1	5	-	W91570001	086/032121	Medium disconnect box, clamplock applications	
Medium	204	190	70	6	1	4	-	W91580001	-	Medium disconnect box, diode applications	
Medium Extended	229	190	70	4	2	6	6	W91860001	-	-	
Medium Extended	229	190	70	6	2	6	6	W91870001	-	-	
Medium Extended	229	190	70	3	2	6	6	W91880001	-	-	
Medium Extended	229	190	70	4	2	4	4	W92120001	088/000502	Point machine coupler, way 4 + 4 way	
Large	350	130	75	2	1	12	-	W91890001	086/010753	-	
Large	350	130	75	4	1	12	-	W91980001	-	-	
Large	350	130	75	2	1	10	-	W92170001	-	-	
Extra Large	350	241	75	4	2	10	10	W91970001	-	-	
Extra Large	350	241	75	5	2	12	12	W92040001	-	-	
Extra Large	350	241	75	4	2	10	4	W92130001	088/000503	-	
Extra Large	350	241	75	4	2	10	4	W92130001L	-	-	
Extra Large	350	241	75	?	2	10	4	W92640001	W91611257	-	

PLUG COUPLED DISCONNECT BOXES											
Type	Width	Length	Depth	No. Cable Entries	No. Sockets	Way 1	Way 2	Prysmian Part No.	PADS Cat. No.		
4+4 Hy Drive Disconnect Box	350	125	242	2	2	4	4	W91960001	-		
7+7 Hy Drive Disconnect Box	350	125	242	2	2	7	7	W91950001	-		
10+10 Hy Drive Disconnect Box	410	150	242	2	2	10	10	W91940001	-		

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