



# Points Heating

## Applications

A plug in moulded socket block system and socket harness system for strip-type points heaters and pad and cartridge heaters.

### Strip type point heaters:

- Catered for with the moulded block system
- 2 way, 4 way and 8 way blocks available
- Galvanised steel keep plates provide protection from accidental damage or vandalism
- 4 core 1.5mm<sup>2</sup>, 8 core 1.5mm<sup>2</sup> and 8 core 4mm<sup>2</sup> EPR/PCP cables available

### Pad and cartridge heaters:

- Catered for with the harness system
- 2 core and 8 core harnesses available

## Features and Benefits

Points heating commissioning and maintenance becomes very fast, accurate and reliable with the application specific Flexo<sup>®</sup> systems. The Flexo<sup>®</sup> points heating moulded blocks are for use with the modern strip type heaters. The Flexo<sup>®</sup> points heating harnesses are for use with the pad and cartridge style heaters. The waterproof anti-vibration plug allows the heater element to be connected or isolated in seconds. Designed to reduce installation times to an absolute minimum e.g. the 4-heater system can be typically commissioned with just 4 minutes being spent between the rails (the block can be wired alongside the track then fed under the rail). The neoprene construction inhibits vibration degradation.

A 100% testing regime is rigorously employed. Every moulded block, harness and anti-vibration plug lead is tested for electrical continuity and voltage withstand in the factory. In addition, each moulded block and harness is subjected to a 24hr water immersion test thus guaranteeing the waterproof properties.

## Specification and approvals

The Flexo<sup>®</sup> moulded block system is fully type approved to Network Rail RT/E/S/40045 and Network Rail Type Code of Practice RT/E/S/40045. The Flexo<sup>®</sup> harness system is fully approved to Network Rail specification PS99A.

## Technical Data

POINTS HEATING BLOCK WITH MOULDED IN CABLE - FOR STRIP HEATING						
Description	Conductor CSA (mm <sup>2</sup> )	Cores	Ways	Lead Length (m)	Prismian Part No.	PADS Cat. Number
Harness, with free end	-	2	12	-	W91471113	055/027045
Harness, with free end	-	2	13	-	W91471114	055/027046
Harness, with free end	-	2	14	-	W91471215	055/027047
Harness, back to back, with plug and rewirable socket	-	2	12	-	W91500506	055/027068
harness, back to back, with plug and rewirable socket	-	2	14	-	W91500607	055/027063
harness, back to back, with plug and rewirable socket	-	2	16	-	W91500708	055/027064
harness, back to back, with plug and rewirable socket	-	2	18	-	W91500809	055/027066
harness, back to back, with plug and rewirable socket	-	2	20	-	W91500810	055/027067
harness, back to back, with plug and rewirable socket	-	2	24	-	W91501012	055/027070
Rewireable socket, usually supplied with back to back harnesses	-	2	-	-	W90290001	055/027681
Rewireable socket, usually supplied with harnesses with moulded plug	-	8	-	-	W91290001	055/027687
Pad heater lead, with plug and box end	-	-	-	-	W91260101	055/027517
Cartridge heater lead, with plug and free end	-	-	-	0.97	W91320101	055/027582
Cartridge heater lead, with plug and free end	-	-	-	1.57	W91320207	-

**POINTS HEATING BLOCK WITH MOULDED IN CABLE - FOR STRIP HEATING**

Description	Conductor CSA (mm <sup>2</sup> )	Cores	Ways	Lead Length (m)	Prysmian Part No.	PADS Cat. Number
Adapter, unfused	-	-	-	-	W91460001	055/025926
Adapter, fused	-	-	-	-	W91450001	055/025927
Blanking cap for sockets	-	-	-	-	W91480001	055/025991
Plastic spacer bush for securing outlets (Min 100)	-	-	-	-	W49990002	055/022001
Retaining clip, back to back harnesses	-	-	-	-	385AA06	055/005320
Retaining clip, heater lead	-	-	-	-	385AA02	065/051510

**POINTS HEATING HARNESS SYSTEM FOR PAD & CARTRIDGE HEATING**

Harness with plug and rewirable socket	1.5	8	4	3.6	W90920404	055/026969
Harness with plug and rewirable socket	1.5	8	5	4.4	W90920405	055/026968
Harness with plug and rewirable socket	1.5	8	6	4.4	W90920506	055/026967
Harness with plug and rewirable socket	1.5	8	7	5.8	W90920607	055/026966
Harness with plug and rewirable socket	1.5	8	8	6.6	W90920708	055/026965
Harness with plug and rewirable socket	1.5	8	9	7.3	W90920709	055/026964
Harness with plug and rewirable socket	1.5	8	10	8.3	W90920810	055/026963
Harness with plug and rewirable socket	1.5	8	11	8.8	W90920911	055/026971
Harness with plug and rewirable socket	1.5	8	12	9.8	W90921012	055/026972
Harness with free end*	1.5	8	4	3.5	W91250404	055/026976
Harness with free end*	1.5	8	5	4.3	W91250405	055/026977
Harness with free end*	1.5	8	6	5	W91250506	055/026978
Harness with free end*	1.5	8	7	5.8	W91250607	055/026974
Harness with free end*	1.5	8	8	6.5	W91250708	055/026979
Harness with free end*	1.5	8	9	7.2	W91250709	055/026975
Harness with free end*	1.5	8	10	8	W91250810	055/026980
Harness with free end*	1.5	8	11	8.7	W91250911	055/027034
Harness with free end*	1.5	8	12	9.4	W91250912	055/026998
Harness with free end	6	2	4	3.7	W91470404	055/027036
Harness with free end	6	2	5	4.5	W91470405	055/027037
Harness with free end	6	2	6	5.3	W91470506	055/027038
Harness with free end	6	2	7	6.1	W91470607	055/027039
Harness with free end	6	2	8	6.8	W91470708	055/027040
Harness with free end	6	2	9	7.6	W91470809	055/027041
Harness with free end	6	2	10	8.3	W91470810	055/027042
Harness with free end	6	2	11	9.1	W91470911	055/027043
Harness with free end	6	2	12	9.8	W91471012	055/027044

**POINTS HEATING BLOCK SYSTEM FOR STRIP HEATING**

Heating block complete with all fastenings and cover plate (aka clamplock heater block)	1.5	4	2		W91530001	055/088726
Heating block complete with all fastenings, cover plate and z-bracket	1.5	8	4		W91540001	055/027679
Heating block complete with all fastenings, cover plate and z-bracket	1.5	8	8		W91550002	055/027677
Points heating block complete with all fastenings, cover plate and z-bracket	4	8	4		W91540002	055/027676
Heating block complete with all fastenings, cover plate and z-bracket	4	8	8		W91550001	055/027678
Points heating extension lead for 2 core heater cable 0.5m long	1.5	2	-	0.5	W40200101	055/027591
Points heating spare z-bracket for 4 way blocks	-	-	-	-	W49990022	055/039619
Points heating rewirable plug kit, to suit 2 core heater cable (4 plugs per kit)	-	-	-	-	W91440001	055/051313

\* Non Preferred Solution

POINTS HEATING

POINTS HEATING CABLE						
Description	Conductor CSA (mm <sup>2</sup> )	Cores	Ways	Lead Length (m)	Prysmian Part Number	PADS Cat. Number
Points heating cable EPR/PCP	1.5	4		100	F105 81952 0	006/150002
Points heating cable EPR/PCP	1.5	8		100	F105 81953 0	006/153102
Points heating cable EPR/PCP	4	8		100	F105 81954 0	006/153103
POINTS HEATING BLOCK WITH MOULDED IN CABLE, FOR STRIP HEATING						
Points heating block moulded in cable	1.5	8	4	3	4WB-1.5-03	-
Points heating block moulded in cable	1.5	8	4	7	4WB-1.5-07	-
Points heating block moulded in cable	1.5	8	4	8	4WB-1.5-08	-
Points heating block moulded in cable	1.5	8	4	10	4WB-1.5-10	-
Points heating block moulded in cable	1.5	8	4	12	4WB-1.5-12	-
Points heating block moulded in cable	1.5	8	4	17	4WB-1.5-17	-
Points heating block moulded in cable	1.5	8	4	22	4WB-1.5-22	-
Points heating block moulded in cable	1.5	8	4	27	4WB-1.5-27	-
Points heating block moulded in cable	1.5	8	4	32	4WB-1.5-32	-
Points heating block moulded in cable	1.5	8	4	55	4WB-1.5-55	-
Points heating block moulded in cable	4	8	4	7	4WB-4.0-07	-
Points heating block moulded in cable	4	8	4	12	4WB-4.0-12	-
Points heating block moulded in cable	4	8	4	17	4WB-4.0-17	-
Points heating block moulded in cable	4	8	4	22	4WB-4.0-22	-
Points heating block moulded in cable	4	8	4	27	4WB-4.0-27	-
Points heating block moulded in cable	4	8	4	32	4WB-4.0-32	-
Points heating block moulded in cable	4	8	4	37	4WB-4.0-37	-
Points heating block moulded in cable	4	8	4	42	4WB-4.0-42	-
Points heating block moulded in cable	4	8	4	47	4WB-4.0-47	-
Points heating block moulded in cable	1.5	8	8	7	8WB-1.5-07	-
Points heating block moulded in cable	1.5	8	8	10	8WB-1.5-10	-
Points heating block moulded in cable	1.5	8	8	12	8WB-1.5-12	-
Points heating block moulded in cable	1.5	8	8	17	8WB-1.5-17	-
Points heating block moulded in cable	1.5	8	8	22	8WB-1.5-22	-
Points heating block moulded in cable	1.5	8	8	27	8WB-1.5-27	-
Points heating block moulded in cable	1.5	8	8	32	8WB-1.5-32	-
Points heating block moulded in cable	4	8	8	7	8WB-4.0-07	-
Points heating block moulded in cable	4	8	8	12	8WB-4.0-12	-
Points heating block moulded in cable	4	8	8	17	8WB-4.0-17	-
Points heating block moulded in cable	4	8	8	22	8WB-4.0-22	-
Points heating block moulded in cable	4	8	8	27	8WB-4.0-27	-
Points heating block moulded in cable	4	8	8	32	8WB-4.0-32	-
Points heating block moulded in cable	4	8	8	37	8WB-4.0-37	-
Points heating block moulded in cable	4	8	8	45	8WB-4.0-45	-
Points heating block moulded in cable	4	8	8	55	8WB-4.0-55	-

POINTS HEATING