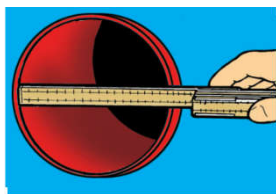


INSTALLATION GUIDE for IECEx and ATEX

MCT Brattberg Multi Cable Transits of type RGP in sizes 50, 70, 100, 125, 150, 200, 2", 3", 4", 5", 6", and 8" and sleeves of type S, SFR and SFRB



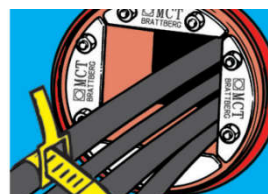
1

Measure see table below



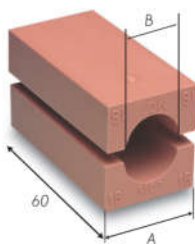
2

Insert the RGP frame in the opening. No lubricant should be applied to the hole or to the outside of the frame



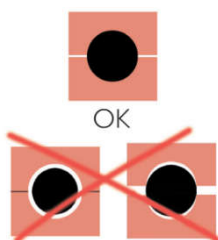
3

Place the frame in correct position in the hole. Check that the frame is clean and pull through the cables. Place the largest cables in the bottom of the frame. Measure the diameter of the cables and choose suitable blocks



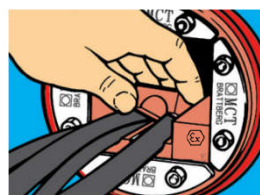
4

Insert block. The blocks are identified by their width (A) and hole diameter (B). A block that is 30 mm wide and has a hole diameter of 18 mm is marked 30/18. This marking is cast into the block



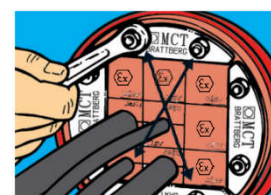
5

The diagram marked OK shows how the cable should look when correctly fitted



6

Begin packing



7

Tighten the nuts in diagonal order until the correct torque value defined in text below is reached.

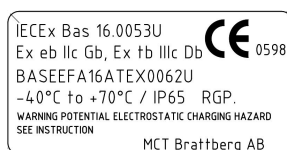
The purchaser should make the manufacturer aware of any External effects or Aggressive substances that the equipment may be exposed to.

Pipe inner Ø	
RGP 50	50-51
RGP 70	70-71
RGP 100	100-102
RGP 125	125-127
RGP 150	150-152
RGP 200	200-202

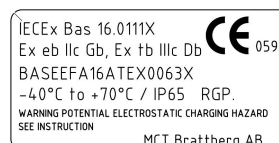
1. These transits are suitable for use within an operating temperature range of -40°C to +70°C.
2. The blocks must be assembled using the manufacturer's supplied tallow lubricant which must be applied to all faces of the sealing blocks prior to assembly.
3. The transits are only for use with circular cables and circular pipes
4. Cables and pipes must be effectively clamped to prevent pulling and twisting being transmitted.

5. The fasteners of variants shall be torqued up to the values defined below:

- RGP50/2" = 3Nm
- RGP50S/2" = 2.5Nm
- RGP70/3" = 4Nm
- RGP100/4" = 6Nm
- RGP125/5" = 7Nm
- RGP150/6" = 12Nm
- RGP200/8" = 15Nm



RGP Component



RGP Equipment

6. The assembled frames and blocks shall re-torqued after a period of 24 hours to the values listed above. The torque value shall then be checked again after 48 hours and re-tightened if required. This shall be completed prior to the installation being energized.

7. When the Sleeve is used for increased safety or dust protection, the Sleeve shall be suitably sealed

(in accordance with IEC 60079-14) to maintain the ingress protection rating of the associated enclosure

8. Non-metallic surfaces shall be protected from electrostatic charging hazard

This equipment has been assessed against following standards:
IEC 60079-0:2017 Ed 7
IEC 60079-7:2015 Ed 5
IEC 60079-31:2013 Ed 2

The purchaser should make the manufacturer aware of any External effects or Aggressive substances that the equipment may be exposed to

Maximum and minimum cable size for each module for RGP series
All cables has to be additional clamped

Module 20	
20/	For cable Ø
4	3,5-4,5
5	4,5-5,5
6	5,5-6,5
7	6,5-7,5
8	7,5-8,5
9	8,5-9,5
10	9,5-10,5
11	10,5-11,5
12	11,5-12,5
13	12,5-13,5
14	13,5-14,5
15	14,5-15,5
16	15,5-16,5

Module 30	
30/	For cable Ø
12	11,5-12,5
13	12,5-13,5
14	13,5-14,5
15	14,5-15,5
16	15,5-16,5
17	16,5-17,5
18	17,5-18,5
19	18,5-19,5
20	19,5-20,5
21	20,5-21,5
22	21,5-22,5
23	22,5-23,5
24	23,5-24,5

Module 40	
40/	For cable Ø
22	21,5-23,5
24	23,5-25,5
26	25,5-27,5
28	27,5-29,5
30	29,5-31,5
32	31,5-33,5
34	33,5-35,5

Module 60	
60/	For cable Ø
32	31,5-33,5
34	33,5-35,5
36	35,5-37,5
38	37,5-39,5
40	39,5-41,5
42	41,5-43,5
44	43,5-45,5
46	45,5-47,5
48	47,5-49,5
50	49,5-51,5
52	51,5-53,5
54	53,5-55,5

Module 120	
120/	For cable Ø
72	71,5-73,5
74	73,5-75,5
76	75,5-77,5
78	77,5-79,5
80	79,5-81,5
82	81,5-83,5
84	83,5-85,5
86	85,5-87,5
88	87,5-89,5
90	89,5-91,5

Add block modules	
20/	For cable Ø
4-8	3,5-8,5
9-13	8,5-13,5
30/	For cable Ø
14-18	13,5-18,5
19-23	18,5-23,5
40/	For cable Ø
24-28	23,5-28,5
29-33	28,5-33,5
60/	For cable Ø
34-38	33,5-38,5
39-43	38,5-43,5
44-48	43,5-49,5
90/	For cable Ø
50-58	49,5-59,5
60-68	59,5-69,5

