



Certificate of Compliance

Certificate: 80208206 **Master Contract:** 258413
Project: 80208206 **Date Issued:** 2024-09-03
Issued to: MCT Brattberg AB
Lyckeåborg
Karlskrona, Blekinge County 371 92
Sweden
Attention: Ola Fagerberg

The products listed below are eligible to bear the CSA Mark shown



Issued by: Ryan Yang
Ryan Yang

PRODUCTS

Class 4418 05 CABLE - Hardware - For Hazardous Locations

Ex eb IIC Gb
Ex tb IIIC Db

The RGB/RGG and RGS range of multi cable transits for use with circular cables.

PART A

The RGB/RGG multi-cable transit frames have RGB frames that can be cast in structure and RGG frames with bolt holes that can be bolted or cast in structure.

RGB/RGG Serie Frames

Model(s)	Material	Frame Size	Ambient Temp (°C)	Ingress Protection Code
RGB, RGG, RGBO, RGGO	mild steel, stainless steel, and aluminum,	2, 4, 6 and 8 with 120 mm width	-55°C to +70°C	IP66



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RGB and RGG types have open-ended variation suffixed with 'O'.

PART B

The RGS series multi-cable transit frames are designed to be welded or bolted into structures with flange or without flange. RGS/RGSF/RGSFB frames have a standard rectangular shape. RGSC/RGSCF/RGSCFB frames have radius at each of the four corners to decrease stress. RGSK/RGSKF/RGSKFB frames are extended RGS frames intended for deck installations. RGSR/RGSRF/RGSRFB frames are reinforced for welding into structures subjected to high stress.

RGS Series Frames

Model(s)	Frame Size	Material	Ambient Temp (°C)	Ingress Protection Code
RGS, RGSO, RGS-BTB, RGSF, RGSFO, RGSF-BTB, RGSFO-BTB, RGSC, RGSCO, RGSC-BTB, RGSK, RGSKO, RGSR, RGSRO, RGSR-BTB, RGSRO-BTB, RGSCF, RGSCF-BTB, RGSKF, RGSKFO, RGSRF, RGSRFO, RGSRF-BTB, RGSFB, RGSFBO, RGSFB-BTB, RGSFBO-BTB, RGSCFB, RGSCFB-BTB, RGSKFB, RGSKFBO, RGSRFB, RGSRFBO, RGSRFB-BTB, RGSRFBO-BTB.	2, 4, 6 and 8 with 120 mm width	mild steel, stainless steel, and aluminum	-55°C to +70°C	IP66

RGSK, RGSKF and RGSKFB types have open-ended variation suffixed with 'O'.

RGSCF and RGSCFB types have back to back variation suffixe with "btb".

RGS, RGSC and RGSRF types have open-ended variation suffixed with 'O', or back to back variation suffixe with "btb".

RGSF, RGSR, RGSFB and RGSRFB types have open-ended variation suffixed with 'O', or back to back variation suffixe with "btb", or open-ended and back to back variation suffixe with "O-btb".

PART C

Three types of rubber blocks made from Lycron A. Solid spare blocks are square and used for filling space. Insert blocks feature molded semi circular sections, forming square blocks with central holes, providing sealing around circular cables. AddBlock is included with tear off wing inserts catering to various cable dimensions. Blocks can include EMC protection feature (Sprung integral copper sheets providing contact through the braiding or amour of cables).

Metal stayplate positioned inside the frame between each complete row of the rubber blocks.

Press wedge fitted into position in a fully relaxed state and tightened to the required torque via stainless steel allen grub screws or hexagon head bolts, which then compress the insert blocks to seal the cables.

Insert Modules

Model(s)	Model	Size	Material	Ambient Temp (°C)	Ingress Protection Code



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Solid spare blocks, Insert blocks, AddBlocks, Metal stayplate, Press wedge	Insert blocks	20/4 up to 120/90 mm	Lycron A rubber	-55°C to +70°C	IP66
	AddBlock	20/4-8 up to 90/60-68 mm	Lycron A rubber	-55°C to +70°C	IP66
	Solid spare blocks	24x5/0 up to 120/0 mm	Lycron A rubber	-55°C to +70°C	IP66
	Metal stayplate	120 mm	mild steel, stainless steel, and aluminum	-55°C to +70°C	IP66
	Press wedge	120 mm	Lycron A rubber	-55°C to +70°C	IP66

APPLICABLE REQUIREMENTS

CSA C22.2 NO. 18.3:12 +Upd.1+Upd.2 (Second Edition) (R2022) - Conduit, tubing, and cable fittings

CSA C22.2 No. 60079-0:19 (Fourth Edition) - Explosive atmospheres — Part 0: Equipment — General requirements

CAN/CSA-C22.2 No. 60079-7:16+AMD.1(Second Edition)(R2021) - Explosive atmospheres — Part 7: Equipment protection by increased safety "e" - Second Edition

CAN/CSA-C22.2 No 60079-31:15(Second Edition)(R2020) - Explosive atmospheres — Part 31: Equipment dust ignition protection by enclosure "t" - Second Edition

Conditions Of Acceptability

1. The above listed cable transit devices have been certified as components and must be installed in accordance with the applicable local electrical codes. The IP ratings stated in this certificate apply to the insert modules with respect to their interface with cables, press wedges and internal walls of the frame. The ingress protection rating at the interface between frame and the walls of the final installation shall be determined with the final application. The final application shall be subjected to acceptance by the local authority having jurisdiction.
2. These transits are suitable for use within a service temperature range of -55°C to +70°C.
3. The blocks must be assembled using the manufacturer’s supplied lubricant which must be applied to all faces of the sealing blocks prior to assembly.
4. The transits are only for use with circular cables in fixed installation in accordance with the diameters per the manufacturer’s installation instructions. Cable types for use with these products shall be suitably certified for this application in accordance with the requirements of the Canadian Electrical Code (CEC) Part I for the location of installation.
5. The assembled frame and cables shall be left for a period of 48 hours prior to the installation being energized.
6. The fasteners of all variants shall be torqued up to 20 Nm.
7. Non-metallic surfaces shall be protected from electrostatic charging hazards.



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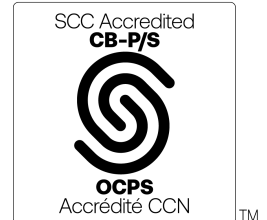
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Notes:

Products certified under Class(es) C441805 have been certified under CSA's ISO/IEC 17065 accreditation with the Standards Council of Canada (SCC). www.scc.ca





Supplement to Certificate of Compliance

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*The products listed, including the latest revision described below,
are eligible to be marked in accordance with the referenced Certificate.*

Product Certification History

Project	Date	Description
80208206	2024-09-03	Original Canadian certification of RGB/RGG and RGS Range of multi cable transits.