



EU Declaration of Conformity

EU Konformitätserklärung
Déclaration UE de conformité
Dichiarazione di conformità UE

This declaration of conformity is issued under the sole responsibility of the manufacturer

Die alleinige Verantwortung für die Ausstellung dieser Konformitätserklärung trägt der Hersteller /

La présente déclaration de conformité est établie sous la seule responsabilité du fabricant /

La presente dichiarazione di conformità è rilasciata sotto la responsabilità esclusiva del fabbricante

ABB

8 Boulevard Millénium, B-7110 La Louvière (Belgium)

Object of declaration

Gegenstand der Erklärung/Objet de la déclaration/Oggetto della dichiarazione

Fitting for liquid-tight flexible metal conduits

Verschraubung für flexible und flüssigkeitsdichte Schutzschläuche

Raccord pour gaines flexibles étanches

Raccordi per guaine flessibili

Type/Typ/Type/Tipo: Series 5200AL See Annex 1

Serie 5200AL - Siehe Annex 1

Série 5200AL - Voir annexe 1

Serie 5200AL - Vedi annesso 1

The object of the declaration described above is in conformity with the relevant Community harmonisation legislation

Der oben beschriebene Gegenstand der Erklärung erfüllt die einschlägigen / Harmonisierungsrechtsvorschriften der Gemeinschaft /

L'objet de la déclaration décrite ci-dessus est conforme à la législation communautaire d'harmonisation applicable /

L'oggetto della dichiarazione di cui sopra è conforme alla pertinente normativa comunitaria di armonizzazione

2014/35/EU Low Voltage Directive (LVD)

Niederspannungsrichtlinie/Directive basse tension/Direttiva Bassa Tensione

2011/65/EU Restriction of Hazardous Substances (RoHS)

RoHS Richtlinie/Directive RoHS/Directiva RoHS

and are in conformity with the following harmonized standards or other normative documents

nachgewiesen durch die Einhaltung der nachstehend aufgeführten Normen oder anderen normativen Dokumenten /

et justifié par le respect des Normes mentionnées ci-dessous ou autres documents normatifs /

e sono stati applicati le norme o altri documenti normativi indicati di seguito

EN 61386-1:2008 and EN 61386-23:2004 +A10:2011

Notified Body and number of the EC-type-examination certificate Self-Declaration

Benannte Stelle und Nummer der EG-Baumusterprüfbescheinigung/Organisme agréée et numero du certificate de test CE/Organismo notificato e il numero del CE attestato di certificazione

Year of CE Marking 2017

Jahr der CE-Kennzeichnung/Année d'apposition du marquage CE/Anno in cui è stata affissa la marcatura

Signed for and on behalf of

Unterzeichnet für und im Namen von/Signé par et au nom de/Firmato in vece e per conto di

ABB

Memphis, Tennessee, USA on **13 February, 2018**

Michael Pratt
GPG R&D Director

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EPIP Europe

ANNEX 1

Fittings for Liquid-tight Flexible Metallic Conduits

Verschraubung für flexible und flüssigkeitsdichte Schutzschläuche

Raccord pour gaines flexibles étanches

Raccordi per guaine flessibili

Refer to below tables for catalog number and performance classification

Siehe nachstehende Tabelle für Artikelnummern und Leistungseinstufung

Voir tableaux ci-dessous pour les numeros d'articles et classé selon leur performance

Riferirsi alle tabelle sotto per i numeri di catalogo e le classificazioni delle prestazioni

Table 1 – Liquid-tight Flexible Metallic Conduit Systems

The flexible conduit system consists of the appropriate size fitting, seal gasket and flexible metallic conduit. External grounding fittings designated with GR suffix, (ie.: 5232ALGR).

Fittings			Description			Seal Gaskets	LT FMC Types	
Insulated & Non-Insulated			Trade Size					
Straight	45°	90°	UL	CSA	BSEN	Material & Thread Type Aluminum, Straight & 90°, NPT Threads	LTAE LTLE LTGU LTGE LTGC LTOE LTBU	
5231AL	---	5251AL	3/8"	12mm	16mm			5262
5232AL	---	5252AL	1/2"	16mm	20mm			5262
5233AL	---	5253AL	3/4"	21mm	25mm			5263
5234AL	---	5254AL	1"	27mm	32mm			5264
5235AL	---	5255AL	1-1/4"	35mm	40mm			5265
5236AL	---	5256AL	1-1/2"	41mm	50mm			5266
5237AL	---	5257AL	2"	53mm	63mm			5267
5238AL	---	---	2-1/2"	63mm	70mm			5268
5239AL	---	---	3"	78mm	80mm			5269
5240AL	---	---	4"	103mm	100mm			5270



Table 2 - Conduit Dimensions

Trade Size			Inside Diameter (Min/Max)		Outside Diameter (Min/Max)	
UL	CSA	BS EN	mm	inches	mm	inches
3/8"	12mm	16mm	12.3/12.8	0.484/0.504	17.5/18.0	0.690/0.710
1/2"	16mm	20mm	15.8/16.3	0.662/0.642	20.9/21.3	0.820/0.840
3/4"	21mm	25mm	20.8/21.3	0.820/0.840	26.2/26.7	1.030/1.050
1"	27mm	32mm	26.4/27.1	1.041/1.066	32.8/33.4	1.290/1.315
1-1/4"	35mm	40mm	35.1/35.8	1.380/1.410	41.4/42.2	1.630/1.660
1-1/2"	41mm	50mm	40.0/40.6	1.575/1.600	47.4/48.3	1.865/1.900
2"	53mm	63mm	51.3/51.9	2.020/2.045	59.4/60.3	2.340/2.375
2-1/2"	63mm	70mm	63.0/63.6	2.480/2.506	72.1/73.0	2.840/2.875
3"	78mm	80mm	78.0/78.7	3.070/3.100	87.9/88.8	3.460/3.500
4"	103mm	100mm	101.6/102.6	4.000/4.040	113.3/114.3	4.460/4.500

Table 3 - Conduit Fittings Classification Coding (EN 61386-23:2004/2002)

Covers 5200AL, Non Insulated Only, Grounding Fittings (Suffix GR)	Compression Resistance ¹	Impact Resistance	Lower Temperature (°C)	Upper Temperature (°C)	Bending Resistance ¹	Electrical Characteristics ²	IP - Solids	IP - Liquids	Corrosion Resistance	Tensile Strength	Flame Propagation ³	Suspended Load Capacity ¹
Catalog Numbers												
5230AL, 5250AL	N/A	3 (med)	4 (-25)	3 (105)	N/A	1	6	7	2	3 (med)	1	N/A
5231AL, 5251AL												
5232AL, 5252AL												
5233AL, 5253AL												
5234AL, 5254AL												
5235AL, 5255AL												
5236AL, 5256AL												
5237AL, 5257AL												
5238AL												
5239AL												
5240AL												

¹ A function of the conduit classification, not applicable to conduit fittings

² Electrical Characteristics, Classification 1: With electrical continuity characteristics

³ Flame Propagation, Classification 1, non-flame propagating