Wolf ATEX Splitter Box
Operation and Maintenance Instructions
Please Retain - Read Before Use

Models
LL-260/ (suffixes define enclosure, cable, plug, socket and fuse options)

EU Declaration of Conformity

The Wolf ATEX splitter box meets all relevant provisions of the 2014/34/EU Explosive Atmospheres (ATEX Equipment) Directive by virtue of the issued EU type examination certificate confirming compliance with all relevant harmonised standards and essential health and safety requirements.

The Wolf ATEX Splitter Box range use GRP and 316 stainless steel enclosures protected with a 316 Stainless Steel Skid. The splitter box is approved as Group II, equipment for use in zone 1 & 2 potentially explosive gases, vapours and mists where a T5 temperature class is permitted and in zone 21 & 22 dusts where the surface temperature T90ºC permits. ATX, CEAG, STAHL or Marechal sockets may be fitted. SY, SB and HOFR can be used when connecting into the splitter box via approved glands.

CERTIFICATION/APPROVAL CODE

II 2 GD* **Ex d e IIC T5 Gb** **Ta -20ºC** to +50ºC*****
Ex tb IIIC T90ºC Db **IP66******

* When CEAG GHG 54.. range of sockets are used the splitter box is only certified safe to use at 50V and in potential explosive Gas atmospheres.
**When SY cable is used, T amb min = -15ºC.
*** When total input current ≤10A T amb max = +55ºC (CEAG, STAHL, MARECHAL sockets only).
**** When CEAG GHG 54 range of sockets are used the splitter box is IP54 rated,

Check product label for specific voltage information, approval codes, certification, IP and fuse ratings.

CERTIFICATION (see product label for code).
EU Type examination certificate: **Baseefa12ATEX0268X**
Notified Body SGS Fimko OY, P.O.Box 30
(Särkiniementie 3) 00211 HELSINKI. Finland
Notified body number: **0598**

Specific Conditions For Use ('X' Conditions)
1. Unused terminals are to be tightened to values below –
   Din Rail - 0.6Nm ATX Socket - 2Nm CEAG Socket - 2.5Nm
   STAHL Socket - 1.2Nm Marechal Socket - 2Nm
2. Only one conductor per terminal.
3. The uninsulated part of the conductor must not extend beyond the terminal throat.

Harmonised standards applied:
EN60079-0: 2012+A11: 2013 EN60079-1: 2014
EN60079-7: 2015 EN60079-31: 2014

The Wolf ATEX Splitter box LL-260 is compliant with the 2011/65/EU RoHS Directive to the harmonised standard EN IEC 63000:2018.

This declaration is issued under the sole responsibility of Wolf Safety Lamp Company.

Alex Jackson – Managing Director
Wolf Safety Lamp Company Ltd., Sheffield, S8 0YA, UK.
Dated 01 August 2023.

IECEx Scheme Certification
Certificate Number: **IECEx BAS 16.0073X**
Ex d e IIC T5 Gb **Ta -20ºC* to +50ºC****
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When CEAG GHG 54.. range of sockets are used the splitter box is only certified safe to use at 50V and in potential explosive Gas atmospheres.
*When SY cable is used, T amb min = -15ºC
**When total input current ≤10A T amb max = +55ºC
*** When CEAG GHG 54 range of sockets are used the splitter box is IP54 rated,
IECEx scheme certification only covers Splitter boxes fitted with CEAG, STAHL, MARECHAL sockets only

IEC60079-0: 2011 IEC60079-1: 2007
IEC60079-7: 2006 IEC60079-31: 2008

European Design Nº 001 425 201
UK Patent 2 526 256 B

IMPORTANT
1. Read the instruction leaflet carefully before commencing to use the splitter box and retain it for future use.
2. Check the rating label to ensure the splitter box is suitable for the supply voltage, T class, ambient temperature present and IP rating.
3. Splitter boxes constructed from GRP (Glass Reinforced Polyester) and their mounted sockets are plastic, the end user must ensure that these materials are suitable for the atmosphere the splitter box will be used in. Excessive force should not be used on plastic components.
4. The Splitter box must not be opened when energised and if fitted with a fuse, a delay of 5 mins after disconnection from the electrical supply must be observed before opening.
5. Splitter Box must not be moved whilst energised. Always disconnect the Splitter Box from the electrical supply before moving.
6. Plugs must be connected and fully engaged in their corresponding socket to maintain the IP rating of the plug & socket. Check the seals are present and in good condition in the socket lid on any fitted sockets. The covers on the sockets must be fully closed and latched to seal surfaces and maintain the stated IP rating of the product.
   Note - Plugs do not have latching covers or other devices to prevent the ingress of fluid and/or dusts. They are only IP rated when engaged in their corresponding sockets. Plugs must be kept clean and dry when not engaged with a socket.

USER GUIDANCE FOR WOLF SPLITTER BOXES
1. This product is Class 1 equipment and must be earthed.
2. It is the user's responsibility to ensure there is no potential difference between the earth supply to the splitter box and the earth where it is sited. Where this is not possible the splitter box should also be locally earth bonded. A flexible cable with a conductor area of 6mm^2 minimum which is no longer than two metres is recommended for this. The splitter box must be de-energised during connection or disconnection of the local earth bond.
3. The user must consider the effect of voltage losses on the input cable to the splitter box, to ensure that products connected to the splitter box are operating within their specified voltage tolerance.
4. The supply cable must be inspected on a regular basis to ensure there is no damage to the cable or gland.
5. DIN rail mounted screw type terminal blocks are fitted to the Splitter Box to connect the input cable. Each terminal is suitable for a single conductor up to 4mm² only. These terminals should be tightened down to 1Nm whether a conductor is fitted or not.
6. Approved cable glands must be used and be suitable for the type of cable used and the environment to be used in. Brass M20 Trumpet glands fitted by Wolf have the cable clamp tightened to 1Nm. If contact between the two clamping faces is not made then low strength threadlock is applied to prevent the clamp fixing from loosening.
7. Ensure the cable type is suitable for your application as certain cables and their operational use / installation may alter the temperature range of the product:
   - SY cable has a lower operational temperature range of -5°C for flexed applications. Note this cable's insulation is made from PVC.
   - SB cable has a lower operational temperature range of -20°C for flexed applications.
   - H07RN-F cable has a lower operational temperature range of -25°C for flexed applications.
   - Helkama cable H-FLEX PWR C-PUR has a lower operational temperature range of -35°C for flexed applications.
8. Do not overload the source supply. It is the user's responsibility to ensure products connected to the splitter box do not exceed the 15A maximum input current rating of the splitter box.
9. If the Wolf Splitter Box is fitted with a fuse, it will be an IEC 60269, 80kA breaking capacity cartridge fuse. The fuse type and maximum value must not be exceeded. Replace with like for like fuse and secure the screwed cover on fully.
   Details of the fuse fitted is found on the splitter model identification label which is attached to the lid
   Replacing these with fuses of a different type or of a higher rating could result in an unsafe condition occurring in the safe or hazardous area. To prevent nuisance tripping, the total power of apparatus operated from the splitter box should not exceed the rated maximum amperage of the fuse. Where apparatus other than Wolf lighting products are connected, its load should be checked to ensure it is suitable for use with type gG (general) fuses.
10. Where the splitter box is connected to a Wolf Safety ATEX transformer, ensure that the connected circuits do not exceed total maximum loading and maximum cable lengths permissible (see transformer instructions for details). When calculating the maximum cable length, the total must include the length of the splitter box input cable. Where cables with different conductor areas are combined, the maximum cable length should be selected based on the smallest conductor area.

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Authorised Representative (EU)2019R1020:
Authorised Representative Service, 77 Camden Street Lower,
Dublin, D02 XE80. Ireland

Exceeding recommended cable lengths could result in an unsafe condition in the safe or hazardous area in the event of a fault occurring. **For additional advice regarding the permissible maximum cable lengths Suggested lighting layouts for splitter e-mail info@wolfsafety.com**

MAINTENANCE

1. Disconnect the splitter box from the electrical supply before carrying out any maintenance.
2. It is essential that the splitter is maintained in accordance with the requirements of EN60079-17
3. A visual check should be carried out to ensure all internal cables are in good condition, and not suffering any sign of damage or degradation. All internal connections should be checked to ensure that they are correctly secured.
4. The splitter box input cable and any attached cables should be inspected before each use. Any damaged cables should be replaced immediately.
5. The condition of the gaskets on the enclosure and sockets should be inspected to ensure there is no breakdown in the units IP rating.
6. **IMPORTANT.** No modifications are permitted to the splitter box or sockets.

Splitter Box Spares.

WARNING: USE ONLY GENUINE WOLF REPLACEMENT PARTS.

Wolf Part No	Part Description	Wolf Part No	
LL-378	ATX 24V Socket	LL-1218	Marechal 110V Socket
LL-1092	ATX 110V Socket	LL-1054	Marechal 230V Socket
LL-1087	ATX 230V Socket	LL-1276	2A gG Fuse
LL-1050	CEAG 24V Socket	LL-1007	4A gG Fuse
LL-387	CEAG 110V Socket	LL-1016	6A gG Fuse
LL-1048	CEAG 230V Socket	LL-1024	8A gG Fuse
LL-1352	STAHL 24V Socket	LL-1110	10A gG Fuse
LL-1350	STAHL 110V Socket	LL-1067	12A Gg Fuse
LL-1351	STAHL 230V Socket	LL-379	16A Gg Fuse
LL-1052	Marechal 24V Socket	LL-1252	Label Cover

The Wolf Safety Lamp Co. Ltd has a policy of continuous product improvement. Changes in design details may be made without prior notice.

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