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New active illuminated emergency-stop with diagnostic unit and anti-lock collar enhances safety at work in producing enterprises

Georg Schlegel GmbH & Co. KG is now also offering a further version of its active illuminated emergency-stops. The new type QRBDUV is equipped with an anti-lock collar and a diagnostic unit which further enhance the safety at work in producing enterprises. The functional principle: If the plant part which is equipped with the fix mounted emergency-stop – for example as a module of a production line – is in operation, the actuator signals its functional status by an active illumination. In inactive condition, however, the emergency-stop is not illuminated, thus also not identifiable as emergency-stop and fulfilling the requirements of the standard DIN EN ISO 13850:2015. A further safety related feature of the emergency-stop QRBDUV is the integrated diagnostic unit which constantly monitors the illumination status and thus the activity of the emergency-stop. If for any reason the diagnostic unit switches off and thus signals the inactivity of the actuator, there is an automatic signal to the corresponding plant part and the related production line is stopped – if connected in series even all modules are stopped. Also the yellow illuminated anti-lock collar serves for more safety at work by preventing a locking of the actuator.

According to the previous valid standard DIN EN ISO 13850 an inactive fix mounted emergency-stop had to be covered in order to prevent any possibility of confusion in case of emergency. In practice however, this was not always easily feasible so that inactive and not covered emergency-stops possibly could cause accidents. This standard has been extended and allows the use of active illuminated emergency-stops as alternative. „In case the modular plant part is connected to the overall system, the active status of the emergency-stop is signalled by illumination. If there is no connection the actuator is not illuminated, thus transparent and informs on the inactivity of the actuator“, explains Kurt Blank, head of the R&D at Schlegel. Thanks to the emergency-stop QRBDUV of Schlegel the producing enterprises have now the possibility to combine safety measures and the highest requirements as to flexibility in their production lines by an easy solution. At present, Schlegel offers the emergency-stop QRBDUV for protection degree IP65. There are two versions available, as kit or as plug-and-play solution. In case customer decides for the kit he can mount all components individually into a panel. The plug-and-play version is specially designed for retrofitting as connection of the box is easily done by a M12 plug.

Photographic material

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| The new active illuminated emergency-stop with diagnostic unit of Schlegel serves for more safety at work in producing enterprises. |

About Georg Schlegel GmbH & Co.KG  
Schlegel stands for innovation, quality and design. Founded in 1945, Schlegel is today a globally operating company with headquarters in Germany, sales offices in Austria and Singapore, and exports to more than 80 countries on all five continents. The core competences: Development and production of control units, pilot lights and terminal blocks. The product portfolio further includes bus systems, enclosures, limit switches, control panels and function modules. When developing new products, Schlegel sets high standards on the design. More than 90 national and international design awards confirm the company’s high level of design expertise. Among these prizes are the iF Design Award, the Red Dot Award and the German Design Award.