



DET NORSKE VERITAS

TYPE APPROVAL CERTIFICATE

CERTIFICATE NO. E-6697
This Certificate consists of 2 pages

This is to certify that the
Pilot Device
Push Button
with type designation(s)
K


Manufactured by
ABB Automation Technology Products AB,
Control
Västerås, Sweden

is found to comply with
Det Norske Veritas' Rules for Classification of Ships, High Speed & Light Craft and
Mobile Offshore Units

Application
Rated Insulation Voltage 690V, Rated voltage/ current 120V/8A, 230V/6A, 400V/4A,
690V/2A AC and 125V/1.1A DC, Enclosure IP65/66


Place and date
Høvik, 2003-08-15

for DET NORSKE VERITAS AS


Gro Elisabeth Paulsrud
Head of Section

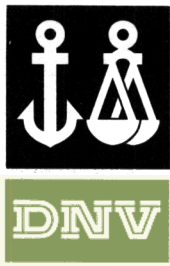


This Certificate is valid until
2007-06-30


Nicolay Horn
Surveyor

Notice: This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid. The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

If any person suffers loss or damage which is proved to have been caused by any negligent act or omission of Det Norske Veritas, then Det Norske Veritas shall pay compensation to such person for his proved direct loss or damage. However, the compensation shall not exceed an amount equal to ten times the fee charged for the service in question, provided that the maximum compensation shall never exceed USD 2 million. In this provision "Det Norske Veritas" shall mean the Foundation Det Norske Veritas as well as all its subsidiaries, directors, officers, employees, agents and any other acting on behalf of Det Norske Veritas.



Cert. No.: E-6697
File No.: 829.10

Product description

Type: Push Button with type name "K".

Various contact combinations and colours enlisted in the manufacturer's catalogue 1SFC 261001-EN Ed. 5, dated February 2003.

The push buttons may be used together with matched additional equipment enlisted in the catalogue 1SFC 261001-EN Ed. 5, dated February 2003.

Type Approval documentation

CB Test certificate SE-30015 (push button), SE-30016 (contact block), issued 8 May 2002. Technical report VR DKPY 90-001 dated 20.12.90, Manufacturer's catalogue SK-61-3E Edition 1, July 1990, 1 and G SST 1027 95 D 0001 dated 08.95, SEMKO approval 9007150 and 9524064.

Marking of product

Manufacturers name and Type designation.

Certificate retention survey

The scope of the retention/renewal survey is to verify that the conditions stipulated for the type approval is complied with and that no alterations are made to the product design or choice of materials.

The main elements of the survey to be dealt with:

- Ensure that type approved documentation is available.
- Ensure that materials used comply with type approved documents and/or referenced material specifications.
- Review design, materials, performance and production process with respect to possible changes, in order to ensure compliance with the type approved documentation and/or referenced material specifications.
- Ensure traceability between manufacturer's product marking and the DNV Type Approval Certificate.

Survey to be performed only by renewal.

END OF CERTIFICATE