



Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. 99 376 - 97 HH

Company Saia-Burgess Controls Ltd.
Bahnhofstrasse 18
3280 Murten, SWITZERLAND

Product Description Electronic Time Relays

Type KOL ... H7...; KOP...K7...; KOP... J7...

Environmental Category C; EMC1

Technical Data / Range of Application KOL311H7MRVFN..., KOL312H7MRVFN..., KOL321H7MRVFN..., KOL322H7MRVFN..., KOL323H7MRVFN..., KOL342H7MRVFN..., KOL360H7MRVFN..., KOL251H7MKVFN...

Utilization category: D

Time ranges: 0,05s...60h, details acc. time range code table

Rated voltage: 24...240 V AC or 24...48V DC

Switching capacity at:
U = 250 V AC, I_{th} = 5 A, P = 1250 VA,
at: 1A/250 VAC (AC14)

Degree of protection: IP 40, terminals IP 20
Standard dimension: 17.5 mm

Test Standard Regulations for the Performance of Type Tests, Part 1, Edition 2001
IEC 947-5-1 (1991), EN 60947-5-1 (1991-10/1992)

Documents Test Reports: MP-EKOL-021(31.01.1997), -022a(02.04.1997), KOL-H(12.12.1995), EMC Nos.11'282(23.10.1996), 11'228/226(06.08.96), 11'590(30.09.97), 11'280 (23.10.96), 11'443(18.04.97), Quinel U446-03-6(20.02.1997); EMC QNL-E534-05-2-a(29.11.2002); MP-EKOP-032(27.02.97), -034a(02.04.97), -055(24.11.97), -063(05.01.99)

Remarks None

Valid until 2013-04-24

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File No. I.K.04

Hamburg, 2008-04-25

Type Approval Symbol



Germanischer Lloyd

Jürgen Wittburg

Andrea Grün

This certificate is issued on the basis of "Guidelines for the Performance of Type Approvals Part 1, Procedure".



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KOP100J7.. VPN..., -101..., -111..., -112..., -116..., -118..., -121..., -122..., -123..., -124...,
-128..., -131..., -141..., -142..., -160..., -170..., -251..

KOP100J7..VAN..., -101..., -111..., -112..., -116..., -118..., -121..., -122..., -123..., -124...,
-128..., -131..., -141..., -142..., -160..., -170..., -251..

Utilization category: C

Time ranges: 0,05s...60h, details acc. time range code table

Rated voltage: ...VP... = 24...240 V AC or 24...48 V DC

...VA... = 24...240 V AC or V DC

Switching capacity:

U = 440 V AC, I_{th} = 8 A, P = 2000 VA

at: 3A/440 VAC (AC14), 3A/250 VAC (AC15)

Degree of protection: IP 40, terminals IP 20,
standard dimension: 22.5 mm

KOP511K7MWVPN..., -512..., -560...

KOP511K7MWWAN..., -512..., -560...

Utilization category: C

Time ranges: 0,05s...60h, details acc. time range code table

Rated voltage: ... VP... = 24...240 V AC or 24...48 V DC

... VA... = 24...240 V AC or DC

Switching capacity at:

U = 440 V AC, I_{th} = 8 A, P = 2000 VA,

at: 3A/440 VAC (AC14), 3A/250 VAC (AC15)

Degree of protection: IP 40, terminals IP 20

Standard dimension: 22.5 mm

Valid until **2013-04-24**

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