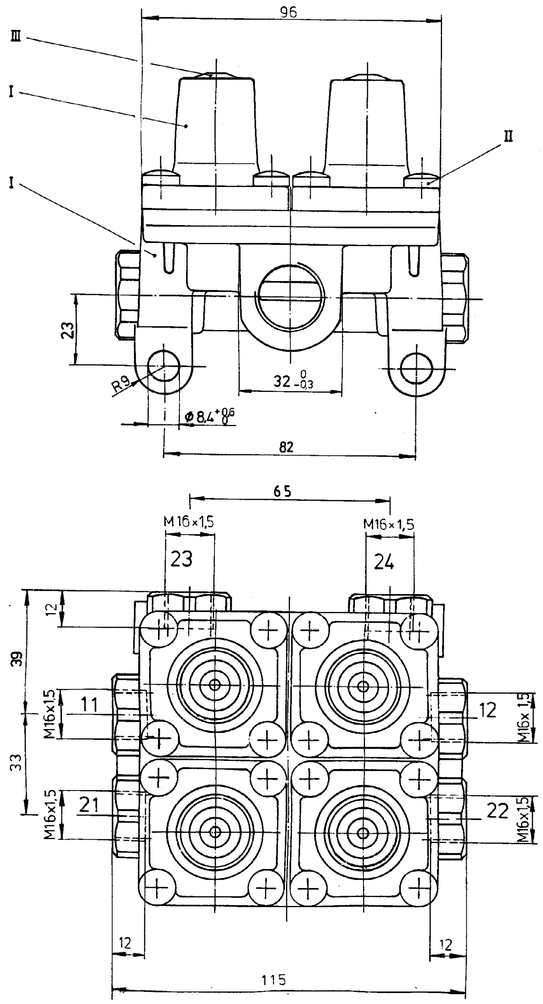
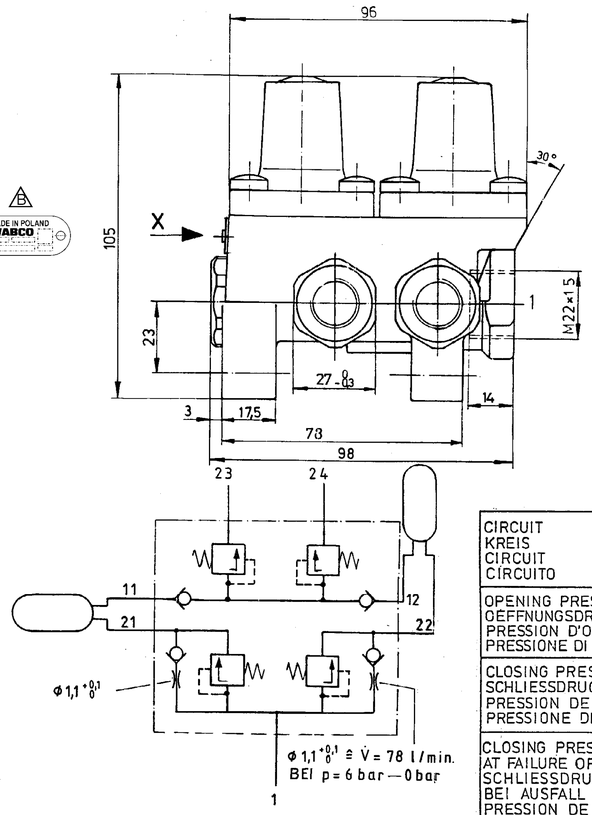
PART CODE	MATERIAL	SURFACE PROTECTION
I	ALUMINIUM ALLOY	CHROMATED
II	STEEL	PASSIVATED
III	RUBBER	NO TREATMENT





CONNECTIONS:
ANSCHLUESSE:
ORIFICES:
ORIFIZI:

1, 11, 12 =SUPPLY
=LUFTEINTRITT
=ALIMENTATION
=ALIMENTAZIONE

21 =CIRCUIT 1
=KREIS 1
=CIRCUIT 1
=CIRCUITO 1

22 =CIRCUIT 2
=KREIS 2
=CIRCUIT 2
=CIRCUITO 2

23 =CIRCUIT 3
=KREIS 3
=CIRCUIT 3
=CIRCUITO 3

24 =CIRCUIT 4
=KREIS 4
=CIRCUIT 4
=CIRCUITO 4

WORKING PRESSURE:
BETRIEBSDRUCK:
PRESSION DE SERVICE:
PRESSIONE D' ESERCIZIO:
p_e max.=20bar

MEDIUM: COMPRESSED AIR
MEDIUM: DRUCKLUFT
FLUIDE: AIR COMPRIME
FLUIDO: ARIA COMPRESSA

ADMISSIBLE TEMPERATURES:
THERMISCHER ANWENDUNGSBEREICH:
TEMPERATURE DE SERVICE:
TEMPERATURA D'ESERCIZIO:
-40° C...+90° C

* OPENING PRESSURE =MAINTAINED PRESSURE
OEFFNUNGSDRUCK =GESICHERTER DRUCK
PRESSION D'OUVERTURE =PRESSION MAINTENUE
PRESSIONE DI APERTURA =PRESSIONE MAINTENUTA

CIRCUIT KREIS CIRCUIT CIRCUITO	21	22	23	24
OPENING PRESSURE [bar] * OEFFNUNGSDRUCK [bar] PRESSION D'OUVERTURE [bar] PRESSIONE DI APERTURA [bar]	6,9 -0,3	6,9 -0,3	7,0 -0,2	6,9 -0,3
CLOSING PRESSURE DYNAMIC [bar] SCHLIESSDRUCK DYNAMISCH [bar] PRESSION DE FERMETURE DYNAM. [bar] PRESSIONE DI CHIUSURA DINAM. [bar]	≧ 6,4		≧ 6	
CLOSING PRESSURE STATIC [bar] AT FAILURE OF CIRCUIT .... SCHLIESSDRUCK STATISCH [bar] BEI AUSFALL VON KREIS .... PRESSION DE FERMETURE STAT. [bar] EN CAS DE DEFAILLANCE DU CIRCUIT .... PRESSIONE DI CHIUSURA STATICO [bar] IN CASO DI DIFETTO DEL CIRCUITO	0 ≧5,5 ≧5,5 0 ≧5,5 ≧5,5	≧5,5 0 ≧5,5 ≧5,5	≧ 6,7 ≧ 6,7 0 ≧ 5,5	0 ≧ 5,5

ATTENTION:
ACHTUNG:
ATTENTION:
ATTENZIONE:

DER OEFFNUNGSDRUCK DES KREISES 23 MUSS IMMER UM ≥0.1 BAR UEBER DEM AM HOECHSTEN EINGESTELLTEN OEFFNUNGSDRUCK DER RESTLICHEN KREISE LIEGEN.

THE OPENING PRESSURE OF CIRCUIT 23 MUST ALWAYS EXCEED THE HIGHEST ACTUAL OPENING PRESSURE OF THE OTHER CIRCUITS BY ≥ 0.1 BAR

LA PRESSION D'OUVERTURE DI CIRCUIT 23 DOIT TOUJOURS EXCEDER LA PLUS HAUTE PRESSION D'OUVERTURE DES AUTRES CIRCUITS DE ≥ 0.1 BAR.

LA PRESSIONE D'APERTURA DEL CIRCUITO 23 DEVE SEMPRE SUPERARE LA PIU ALTA PRESSIONE DI APERTURA DEGLI ALTRI CIRCUITI DI ≥ 0.1 BAR

Tous droits réservés. Toute communication ou reproduction de ce document, toute exploitation ou communication de son contenu sont interdites, sauf autorisation écrite. Tous droits de propriété industrielle réservés. Toute communication ou reproduction de ce document, toute exploitation ou communication de son contenu sont interdites, sauf autorisation écrite. Tous droits de propriété industrielle réservés. Toute communication ou reproduction de ce document, toute exploitation ou communication de son contenu sont interdites, sauf autorisation écrite. Tous droits de propriété industrielle réservés.

Vom e gemessio consegnato o terzi o riprodurre questo documento, né utilizzarne i contenuti o renderlo comunque noto a terzi senza autorizzazione scritta. Diritti di proprietà industriale riservati. Vom e gemessio consegnato o terzi o riprodurre questo documento, né utilizzarne i contenuti o renderlo comunque noto a terzi senza autorizzazione scritta. Diritti di proprietà industriale riservati.

Copying of this document and giving it to others and the use or communication of the contents thereof, are forbidden without express authority. Offenders are liable to the payment of damages. All rights reserved in the event of the grant of patent or registration of a utility model or design. This document is the subject of copyright.

Weitergabe sowie Vervielfältigung dieser Unterlage, Verwertung und Mitteilung ihres Inhalts nicht gestattet, soweit nicht ausdrücklich zugestanden. Zuwiderhandlungen verpflichten zu Schadenersatz. Alle Rechte für den Fall der Patenterteilung oder GM-Eintragung vorbehalten.

General Specification: ISO 8015, JED-334-1, Size ISO 14405 LP
Further Technical Data:
Doc. Code: Sheet: To

General Tolerances JED-261

Class 1)	Range of nominal dimensions in mm ≤ 50	> 50 ≤ 180	> 180 ≤ 400	> 400	∠
Fine	±0.5	±1	±1.5	±2	±3°
Medium X	±1	±2	±3	±4	
Coarse	±2	±3.5	±5	±6.5	

Tapped Holes acc. ISO 4039 / JED-152
1) Tolerance Class Applied Crossmarked

Copyright ZF

Date	Signature
Drawn	
2023-11-30	Kurzynski
Checked	
2023-11-30	Zawisza

115 x 101 x 106
Dimensions in mm

QUADRUPLE CIRCUIT PROTECTION VALVE
VIERKREIS - SCHUTZVENTIL
VALVE DE PROTECTION (A4 CIRCUITS)
VALVOLA PROTEZIONE (A4 CIRC)

Mass	Scale	Material No.	Date of first issue: 1993-03-24		
			Doc.-Code	Language	Sheet
1.2 kg	1:1	934 702 223 0	005	ML	1/1
Size	CAD System				
A 1	TIF				

ECN-No.	Revision	Techn. Resp.	Replacement for
515134	2 x B	5120	

100mm